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Course Title	CCNA 1
Duration	10 days (Every Sundays, 9:00am to 5:00pm)
Abstraction	This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Labs use a "model internet" to allow students to analyze real data without affecting production networks. Packet tracer (PT) activities help students analyze protocol and network operation and build small networks in a simulated environment. At the end of the course, students build simple LAN topologies by applying basic principles of cabling; performing basic configurations of network devices, including routers and switches; and implementing IP addressing schemes.
Target participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.
Contents	Introduction to Networking Networking Fundamentals Networking Media Cable Testing Cabling LANs and WANs Ethernet Fundamentals Ethernet Technologies Ethernet Switching TCP/IP Protocol Suite and IP Addressing Routing Fundamentals and Subnets TCP/IP Transport and Application Layer CCNA1 Final Exam Case Study: Structured Cabling Case Study Presentation

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Course Title	CCNA 2
Duration	10 days (Every Saturdays / Sundays, 9:00am to 5:00pm)
Abstraction	This is course describes the architecture, components, and operation of routers, and explains the principles of routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. By the end of this course, students will be able to recognize and correct common routing issues and problems. Each chapter walks the student through a basic procedural lab, and then presents basic configuration, implementation, and troubleshooting labs. Pocket Tracer (PT) activities reinforce new concepts, and allow students to model and analyze routing processes that may be difficult to visualize or understand.
Target participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses
Contents	WANs and Routers Introduction to Routers Configuring a Router Learning About Other Devices Managing Cisco IOS Routing and Routing Protocols Distance Vector Routing Protocols TCP/IP Suite Error and Control Messages Basic Router Troubleshooting Intermediate TCP/IP Access Control Lists Practical Exams CCNA2 Final Exam

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Course Title	CCNA 3
Duration	10 days
Abstraction	This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Beginning with a foundational overview of Ethernet, this course provides detailed explanations of LAN switch operation, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Students analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced.
Contents	Ethernet Revisited Switching Concepts Cisco IOS Software and Cisco Discovery Protocol Inside the Switch Campus Network Design Basic Switch Configuration VLANs and IP Telephony Basics Rapid Spanning Tree Protocol Trunking and VLAN Trunking Protocol Inter-VLAN Routing Wireless Networks and Mobility Campus LANs

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Course Title	CCNA 4
Duration	10 days
Abstraction	This course explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Students learn about user access technologies and devices and discover how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are introduced. The course concludes with a discussion of the special network services required by converged applications and an introduction to quality of service (QoS).
Contents	Managing Traffic: ·Access Control Lists Addressing Hosts: ·Network Address Translation ·Dynamic Host Configuration Protocol and ·IPv6 Basics Security Introduction to WAN Technologies WAN Devices and Connections: ·CSU ·Cable Modem and ·DSL Modem Connecting to the WAN: ·Leased Lines ·Cable and DSL Point-to-Point Protocol and Point-to-Point over Ethernet Frame Relay QoS Considerations Tunneling Concepts and VPN Basics / Converged Networks

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Course Title	PhilNITS FE Exam Review
Duration	10 days
Abstraction	This review covers all IT topics in the textbooks for Fundamental Information Technology Engineers. A PhilNITS mock examination will also be administered.
Contents	Day 1 1 - Basic Theories of Information 2 - Hardware Day 2 3 - Basic Software 4 - Multimedia System 5 - System Configurations Day 3 6 - Application Fields of Computer Systems 7 - Security 8 - Operations Research Day 4 9 - System Development 10 - System Operation and Maintenance Day 5 11 - Data Structures 12 - Algorithms Day 6 13 - Internal Design 14 - Program Design 15 - Program Implementation Day 7 16 - Protocols and Transmission Control 17 - Encoding and Transmission 18 - Network (LAN and WAN) 19 - Communication Equipment and Network Software Day 8

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	20 - Overview of Database 21 - Database Language 22 - Database Management Day 9 23 - Current IT Topics 24 - Practice Problems on PM Part Exam Day 10 25 - Mock Test of AM Part PhilNITS Exam 26 - Mock Test of PM Part PhilNITS Exam

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Course Title	Project Management
Duration	5 days
Abstraction	Conducting by Dr. Elvira Zamora College of Business Administration University of the Philippines Diliman
Contents	Overview of the Course The Nature and Context of Project Management Project Teams and Organization Project Leadership Project Design and Logical Framework Development Project Scheduling Managing Project Risk Project Communication, Tracking and Reporting Project Quality Management Project Closure and Evaluation Preparing Effective Project Plans Synthesis and Discussion of Lessons Learned

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Course Title	INTRODUCTION TO VISUAL BASIC .NET
Duration	5 days
Abstraction	This 5-day course provides an introduction to the essentials of the Microsoft .NET platform and the Visual Basic .NET programming language using Visual Studio .NET. Topics covered include fundamental Visual Basic .NET language syntax, object-oriented programming with Visual Basic .NET, structured exception-handling, and integration with COM technology and the Win32 API from Visual Basic .NET. Conducting by Microsoft Certified Trainer (MCT).
Target participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.
Contents	Module 1: Intro to the Microsoft .NET Platform Module 2: Using Visual Studio .NET Module 3: Working with Variables and Arrays Module 4: Working with Procedures Module 5: Working with Decision Loop Statements Module 6: Structured Exception-Handling with Visual Basic.NET Module 7: Object-Oriented Programming with Visual Basic.NET

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Course Title	ASP.NET PROGRAMMING USING VISUAL BASIC .NET
Duration	5 days
Abstraction	This 5-day course provides the skills needed to build ASP.NET applications, the Web application development framework of the .NET platform. Topics covered include working with Web forms and controls, using ADO.NET with list-bound controls, managing state, working with XML Web services, and securing, configuring and deploying ASP.NET applications.
Target participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses
Contents	Module 1: ASP.NET Primer Module 2: Working With Web Forms Module 3: Creating Web User Controls Module 4: Working With Data Using ADO.NET Module 5: State Management Module 6: Creating and Consuming XML Web Services Module 7: ASP.NET Security Module 8: Configuring and Deploying ASP.NET Web Applications

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Course Title	C# PROGRAMMING WITH MICROSOFT .NET
Duration	5 days
Abstraction	In this five-day instructor-led course, developers learn the fundamental skills that are required to design and develop object-oriented applications for the Web and Microsoft Windows by using Microsoft Visual C# .NET and the Microsoft Visual Studio .NET development environment. This course provides an alternative entry point for less experienced programmers who are not familiar with object-oriented design and programming with Windows or the Web.
Contents	Module 1: Introduction to .NET Module 2: Understanding C# Language Fundamentals Module 3: Creating Objects in C# Module 4: Implementing Object-Oriented Programming Techniques in C# Module 5: Programming with C# Module 6: Building .NET-based Applications with C# Module 7: Using ADO.NET to Access Data Module 8: Creating Windows-based Applications Module 9: Using XML Web Services Module 10: Creating a Web Application with Web Forms Module 11: Application Settings and Deployment Module 12: Exploring Future Learning

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Course Title	INTRODUCTION TO ORACLE PL/SQL
Duration	5 days
Abstraction	Data Manipulation Language / Data Definition Language / Data Control Language / Transaction Control Language
Target Participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.
Contents	PL/SQL Cursors Functions Procedures Triggers

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Course Title	BASIC WEB DEVELOPMENT
Duration	5 days
Abstraction	
Target Participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.
Contents	Basic HTML HTML & The World Wide Web Introduction To HTML HTML Elements HTML Text Formatting HTML Character Entities HTML Links HTML Frames HTML Tables HTML Lists HTML Forms HTML Images HTML Backgrounds Advanced HTML HTML Layout HTML Fonts HTML Styles HTML Head HTML Meta HTML Uniform Resource Locators HTML Scripts Publishing Your Work Cascading Style Sheets (CSS) Introduction To CSS CSS Syntax CSS How To...

	CSS Background CSS Text Properties CSS Font Properties CSS Border Properties CSS Margin Properties CSS Padding Properties CSS List Properties CSS Dimension Properties CSS Classification Properties CSS Positioning Properties CSS Pseudo-Classes Properties CSS Pseudo-Elements Properties JavaScript Introduction to JavaScript JavaScript How To... JavaScript Where To... JavaScript Variables JavaScript Functions JavaScript Looping JavaScript Guidelines JavaScript String Object JavaScript Array Object JavaScript Date Object JavaScript Math Object JavaScript Window JavaScript Frames JavaScript Form Object JavaScript Browser Detection

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UPSITF

Course Title	PHP & MySQL
Duration	5 days
Abstraction	
Target Participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.
Contents	Introduction PHP History PHP Overview PHP Characteristics Why Learn PHP How PHP Works with the Web Server Hardware and Software Requirements Setting-up the Web Environment PHP Files & Apache Writing PHP Statements PHP Statements Adding PHP into Web Documents Comments Variables Naming Variables Creating & Assigning Variables Constants Data Types Data Types in PHP FALSE Conditions Assigning Data Types Typecasting Operations Strings Arrays Creating Arrays

	Using Arrays in Statements Arrays in List Statements Traversing an Array PHP Programming Basics Reusing PHP Code Including Files Functions Variables in Functions Web Applications PHP & HTML Forms Super Global Variables Saving State in PHP Cookies Sessions Working with MySQL Using PHPMyAdmin Connecting to a MySQL Database Selecting a Database Inserting Data Retrieving Data Changing Data Deleting Data

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UPSITF

Course Title	INTRODUCTION TO PROGRAMMING USING C
Duration	5 days
Abstraction	This course is a lecture and laboratory course that gives students theoretical background on designing programs (internal design process, functional decomposition, logical and physical data organization, creating reusable parts, etc.) and allows them to practice proper program design by creating programs in C, based on given specifications.
Contents	Introduction to C C Fundamentals Statements and Blocks Basic Data Types Constants and Variables Arithmetic, Logical, and Relational Operators Control Structures if / if-else switch while, do-while, for loops break and continue Subprograms Functions and procedures Parameters passing Arrays, Strings, and Pointers Command Line Arguments Structures File Handling Dynamic Memory Allocation

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UPSITF

Course Title	C++ PROGRAMMING
Duration	5 days
Abstraction	This course focuses on applications programming using C++. It is an introductory course of the language including discussions on its object-oriented features.
Target Participants	Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.
Contents	Topics Making and Using Objects The C in C++ Data Abstraction Hiding the Implementation Initialization and Cleanup Function Overloading and Default Arguments Constants Inline Functions Name Control References and the Copy-Constructor Operator Overloading Dynamic Object Creation Inheritance and Composition Polymorphism and Virtual Functions Introduction to Templates Reference Thinking in C++, Vol. 1, 2nd Ed. by Bruce Eckel

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UPSITF

Course Title	INTRODUCTION TO JAVA PROGRAMMING (1)
Duration	5 days
Abstraction	
Contents	Day 1: Introduction to Computer Programming Introduction to Java Getting to Know Your Programming Environment Programming Fundamentals -Dissecting my first Java Program Day 2: Programming Fundamentals Getting Input from the Keyboard Control Structures -Decision Control Structures (if, else, switch) Day 3: Control Structures - Loops Java Arrays Command Line Arguments Working with Java Class Library -Introduction to Object-oriented Programming -Encapsulation -Classes and Objects -Class variables and methods Day 4: Working with Java Class Libraries (con't) Object-Oriented Programming Inheritance Day 5: Polymorphism Basic Exception Handling Exceptions and Assertions Advance programming Techniques * Tour of the java.lang package *

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Course Title	INTRODUCTION TO JAVA PROGRAMMING (2)
Duration	5 days
Abstraction	
Contents	Day 1: Review of Basic Concepts in Java Advanced Programming Techniques Day 2: Tour of the java. lang Package Text-Based Applications Day 3: Abstract Windowing Toolkit & Swing GUI Event Handling Day 4: Threads Networking Day 5: Advanced I/O Streams An Introduction to Generics *

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UPSITF

Course Title	LINUX NETWORK AND SYSTEMS ADMINISTRATION
Duration	5 days
Abstraction	
Contents	Computer Software and Hardware Concepts Networking Concepts Internet Concepts Local Area Networks LAN Design Considerations Design and Layout of Local Area Networks Network Cabling Workshop on Designing and Layouting LAN Installation and Configuration of Linux OS User Access, Authentication, and Authorization Maintenance and Troubleshooting of Linux OS Internet Service Installation and Troubleshooting Installation and Configuration of Software Basics of Computer Security

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Course Title	OBJECT-ORIENTED ANALYSIS AND DESIGN USING UML
Duration	5 days
Abstraction	This introduces the concepts of Object-Oriented Analysis and Design. Also, it teaches the students about the Unified Modeling Language (UML). Students will learn how to construct Use Case diagrams, Class diagrams, Sequence diagrams, Collaboration diagrams, Activity diagrams, State-Chart diagrams, Component diagrams and Deployment diagrams.
Contents	Prerequisites: To succeed fully in this course, students should be able to: Use a modeling tool such as Rational Rose, MS Visio or the like Program in an Object-Oriented programming language such as C++ or Java Overview of Object-Oriented Analysis and Design Object-Oriented Concepts Introduction to Unified Modeling Language (UML) Use Case Diagrams Class Diagrams Sequence Diagrams Collaboration Diagrams Activity Diagrams State-Chart Diagrams Component Diagrams Deployment Diagrams

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Course Title	Java EE
Duration	5 days
Abstraction	J2EE Fundamnetals
Contents	J2EE Fundamentals 1.Introduction to J2EE a .Sample Servlet b. Servlet/Container Interaction c. Servlet Lifecycle d. Generating Response e. Handling Request Params f. Request Forwarding g. Data Passing h. Web.xml i. Deploying servlet w/o IDE j. Closing 2. JSP a. Expressions b. Scriptlets c. Directives d. Redirection with JSPs e. JSP Implicit Objects f. JavaBeans in JSP g. Exercise h. Closing 3. SQL a. Database Setup b. SELECT c. INSERT d. DELETE e. UPDATE 4. JNDI (Java Naming and Directory Interface)

	5. JDBC a. Retrieving connection b. MetaData c. Using DataSource d. Exercise

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Course Title	Mobile Applications Development Using Java ME
Duration	5 days
Abstraction	This introduces the concepts of Object-Oriented Analysis and Design. Also, it teaches the students about the Unified Modeling Language (UML). Students will learn how to construct Use Case diagrams, Class diagrams, Sequence diagrams, Collaboration diagrams, Activity diagrams, State-Chart diagrams, Component diagrams and Deployment diagrams.
Contents	Introduction to Mobile Application Programming Mobile Devices Java 2 Micro Edition CLDC CDC MIDP MIDlets Getting Started with Mobile Programming "Hello, World!" MIDlet Using Netbeans and Mobility Pack High Level User Interface Display Displayable Command Ticker Screen Item Alert List TextBox Form Low Level User Interface Canvas Graphics

	Persistence Storage Record Stores Record Enumeration Record Comparator Record Filter

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Course Title	Delivery of High Impact Business Presentation Skills
Duration	3 days
Abstraction	Do you know that based on a study done by the American Psychological Association, only 20% of a person's mind is devoted to active listening in a presentation? The rest of the 80% are for other thoughts, outside of what is the speaker is saying. Thus, a good presenter should be able to deliver a powerful business message in 15-20 minutes. This course will teach you how to make a business presentation with a professional message, delivered confidently. You will learn the physical skills required for a confident presentation, how to deal with questions and answers, the techniques in designing a short but powerful message, as well as the proper use of visual aids. Class size is limited to 20 because the methodology is highly individualized, using personal and class critique. If you participate actively in all the exercises, the instructor guarantees a 100% improvement from your current presentation style. You will go home with a video of all the presentations you have done in class, from your current style, until your 15-minute presentation done on the last day, incorporating all the skills you have learned from the course. Knowledge of a presentation software tool is an advantage, but not mandatory.
Contents	Day 1: Physical Skills Day 2: Handling questions; formatting a business presentation Day 3: Putting it all together

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Course Title	Microsoft Project
Duration	5 days
Abstraction	
Contents	Getting Started with Microsoft Project Creating a Task List Setting up Resources Assigning Resources to Tasks Formatting and Printing Your Plan Tracking Progress on Tasks Fine-Tuning Task Details Fine-Tuning Resource and Assignment Details Fine-Tuning the Project Plan Organizing and Formatting Project Details Printing Project Information Publishing Project Information Online Sharing Project Information with other Programs Tracking Progress on Tasks and Assignments Viewing and Reporting Project Status Getting Your Project Back on Track

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Course Title	IP Telephony (VOIP)
Duration	5 days
Abstraction	
Contents	Paradigm Shift in Communication Traffic Internet What is Protocol? What is Internet Protocol? Internet Protocol Suite & OSI RM Internet Protocol Suite & OSI RM Basic Internet Protocol Suite The IP Seven Layered Model What is TCP? TCP & OSI RM Internet Protocol Telephony IP Telephony Concept of IP Telephony IP Telephony Infrastructure COMPONENTS: Terminal Server Gateway Conference Bridge Addressing What is a Terminal? What are Servers? What are Gateways? What is Conferencing Bridge? What is an Address? TElephone Number Mapping (ENUM) IP Telephony VoIP Services

	IP Telephony VoIP Protocols IP Telephony H.323 & SIP Protocol Stack/OSI RM H.323 Multimedia communication over ATM networks (H.310, H.321) H.323 timeline H.323 version 2 What is Quality of Service (QoS)? H.323 Network Architecture H.323 Communication Phases H.245 for media-oriented signaling, such as negotiating media types and setting up media channels. • Establishment of audio-visual communication; H.323 Communication Phases Scope & Component Defined in H.323 Functional/Logical Components of H.323 Functional/Logical Components of H.323 Structure and Scope of H.323 H.323 Protocol Suite H.323 Call Set Up Scenario Basic Call Signaling & Conference Control Interactions Signaling Model Signaling Model Signaling Model Protocol Architecture H.323 Advantage What is SIP? SIP stands for Session Initiation Protocol. SIP Network Architecture SIP Network Elements User Agent

	SIP Network Elements Two Basic Types of Proxy Servers Two Basic Types of Proxy Servers What is SDP? SIP Messages Other SIP Requests Messages Six Classes of Response SIP Transactions SIP Dialogs Protocol Architecture in SIP MGCP Stands for Media Gateway Control Protocol

Annex 16: Syllabus List of Developed Course (Full time course)

Curriculum for One-year Cirtificate Program in Information Technology

1. IT Core Part

Categories	Subjects	Days	Hours Lect.	Hours Lab.
Level1	Orientation	0.4	2	0
	Computer Systems	6	24	12
	Program Logic Formulation	3	12	6
	Computer Programming 1	10	24	36
	Computer Science Fundamentals	7	30	12
	Database Systems	6	18	18
	Network Systems	4	12	12
	Systems Development and Operation	7	24	18
	Computer Security	1	6	0
	PhilNits Mock Exam	1	6	0
	Sub-total	45.4	158	114
Level 2	Web Programming	5	12	18
	Data Structures	5	10	20
	Computer Programming 2	10	24	36
	Operating Systems	4	12	12
	Object-Oriented Analysis and Design	4	12	12
	Software Engineering	4	24	0
	Software Quality Assurance	3	18	0
	IT Seminar	3	18	0
	PhilNits Review	5	30	0
	Sub-total	43	160	98
Level 1 and 2 Total		88.4	318	212

2. Specialization Track

	Network Systems Subjects	Days	Hours Lect.	Hours Lab.	Application Development	Days	Hours Lect.	Hours Lab.	Embedded Systems	Days	Hours Lect.	Hours Lab.
Level 3	Computer Programming Review	2	3	9	Advanced Web Programming (PHP)	10	24	36	Basic Electronics	3	6	12
	Network Fundamentals	7	30	12	Database Design and Idevelopment	10	24	36	Computer Organization and Architecture	3	6	12
	Network Design and Integration 1	8	18	30	Computer Programming 3 -C++	10	30	30	Microprocessor-based Systems	12	24	48
	Network Programming	8	18	30	Application Development Workshop 1	13	0	78	Programming for Embedded Systems	7	24	18
	Network Management	8	24	24					Embedded Systems in the Market	1	6	0
	Linux System Administration	5	18	12					Real Time Operating Systems	8	24	24
	Network Systems Workshop 1	5	0	30					Embedded Systems Workshop 1	9	0	54
	Sub-total	43	111	147	Sub-total	43	78	180	Sub-total	43	90	168
Level 4	Network Design and Integration 2	7	18	24	Advanced Programming 2(J2EE)	10	30	30	Embedded Linux	9	18	36
	Routing Protocols	8	24	24	Software Testing	3	6	12	Linux Device Drivers	8	24	24
	Multimedia Network Services	5	18	12	Application Security	3	6	12	HDL-based Digital Design	5	12	18
	Network Security	7	18	24	Application Development Workshop 2	27	0	162	Site Visits	2	12	0
	Network Systems Workshop 2	16	0	96					Embedded Systems Workshop 2	19	0	114
	Sub-total	43	78	180	Sub-total	43	42	216	Sub-total	43	66	192
Level 3 and 4 Total		86	189	327	Level 3 and 4 Total	86	120	396	Level 3 and 4 Total	86	156	360

Curriculum for One-year Cirtificate Program in Information Technology

3. Business Skills for IT Professionals

	Subjects	Days	Hours
Level 1	Basic Accounting	2	12
	IT Standardization	0.6	4
	Japanese Business	0.8	10
	Intellectual Property and Legal issues	0.2	2
Level 2	General Management	1	6
	Financial Management	2	12
	Managing People Interpersonal Skills	2	12
	Production and Operations Management Total Quality Management	2	12
Level 3	Project Management 1	3	18
	Oral Comminication Skills	2.8	16
	Written Communication Skills	1.2	8
Level 4	Project Management 2	2	12
	Innovation Management	2	12
	IT Management and IT Policy	2	12
	Customer Relationship Management	1	6
	Business Subject Total	24.6	154

4. Japanese Lanuguage

	Subjects	Days	Hours
Level 1	Grammer	30	60
	Kanji	20	40
	Sub-total	50	100
Leve l2	Grammer	30	60
	Basic Kanji	20	40
	Sub-total	50	100
Level 3	Grammer	25	50
	Basic Kanji	16	32
	JLPT Level4 review	9	18
	Sub-total	50	100
Level 4	Grammer	27	54
	Basic Kanji	17	34
	JLPT Level3 review	6	12
	Sub-total	50	100
	Japanese Language Total	200	400

5. Total

Categories	Hours
1.IT Core Part	530
2.Specialization Track	516
3.Business Skills for IT Professionals	154
4.Japanese Language	400
Total	1600

Level 3 Application Development

Objective

At the end of the course the students are expected to:

- Understand syntax and usage of object-oriented programming language (classes, inheritance, virtual function). Be able to program.
- Understand architectures (databases, scripting languages) for developing web applications.
- Understand functions of database procedural programming. Be able to create database with solid structure.
- Understand basic of PHP scripting language. Be able to access database and create database queries using PHP and MySQL.
- Understand how to communicate with team members in an effective, efficient manners.
- Understand proper documentation guidelines in software development
- Be able to build data-driven web site.
- Be able to analyze and define system requirement,
- Be able to plan procedure of web project
- Be able to build testing plan, implement testing and evaluate
- Be able to work together on the project cooperatively

Description

The Level 3 Application Development course is the preliminary quarter of the application development specialization track covering C++ programming, database design & development, PHP programming, Communication skills(written/oral) and Project Workshop.

Participants are expected to understand object-oriented programming language and system architectures for developing Web based application.

At the end of the quarter, participants will be grouped and work on a small web project.

Prerequisites

Computer Science Fundamentals
Computer Systems
Database Systems
Network Systems
Computer Programming 1, 2 (C, Java)
Object-Oriented Analysis and Design
Software Engineering
Software Quality Assurance

Course Content

Database Design and Development	10 days
Advanced Web programming: PHP	10 days
C++ Programming	10 days
Project Management 1	3 days
Oral Communication Skills	1.3 days
Written Communication Skills	1 day
Application Development Project Workshop 1	14.7days
The 3rd quarter total	50 days

Course Duration

3rd quarter Application Development Specialization Track (10 weeks or 252 hours)

Course Output

Web Application Project

Level 4 Application Development

Objective

At the end of the course the students are expected to:

- Understand application security technology (cryptography and access control) and how to deploy appropriate security technology for software.
- Understand techniques of software testing
- Understand and be able to integrate key components of the Java2 Enterprise Edition (J2EE) including servlets and JSP technologies, Java Database Connectivity (JDBC) and Enterprise JavaBeans (EJBs).
- Be able to build Java Web Applications.
- Be able to clarify role-sharing ,implement and manage network project
- Be able to build testing plan, implement testing and evaluate
- Be able to follow proper documentation guidelines on network systems development
- Be able to take responsibility to the given task, work together on the project cooperatively.

Description

The Level 4 Application Development course covers Application Security, Software Testing, Advanced Programming (J2EE), business skills and Project Workshop2.

Participants are expected to understand key components for developing Web Applications and be able to build Web applications with server-side Java technologies.

At the end of the quarter, participants will be grouped and develop web applications.

Prerequisite

Computer Science Fundamentals
Computer Systems
Database Systems
Network Systems
C/Java Programming
Object-Oriented Analysis and Design
Software Engineering
Software Quality Assurance
Web Programming
Database Design and Development
Advanced Web Programming (PHP)

Managing people
Oral / Written communication
Project Management 1

Course Content

Advanced programming: J2EE	10 days
Application security	3 days
Software testing	3 days
Project Management 2	3 days
Innovation Management	2 days
IT Policy and IT Management	2 days
Customer Relationship Management	1 day
Application Development Project Workshop 2	26 days
The 4th quarter total	50 days

Course Duration

4TH quarter Network Systems Specialization Track (10 weeks or 252 hours)

Course Output

Web Portal Project

Level 3 Network Systems

Objective

At the end of the course the students are expected to:

- Understand network protocols. Be able to select appropriate protocol to the condition of network systems
- Understand functions of network services (DHCP, IPv6, DNS, Mail, WWW) and network equipments. Be able to select appropriate network services and equipments.
- Understand techniques of encoding and data transmission. Be able to select appropriate encoding and data transmission techniques for network systems
- Understand traffic management, reliability design. Being able to apply for designing and evaluating network systems.
- Be able to analyze system requirement, define system requirement
- Be able to plan installation, implementation of new network systems
- Be able to build testing plan, implement testing and evaluate
- Be able to work together on the project cooperatively

Description

The Level 3 Network Systems course is the preliminary quarter of the network systems specialization track covering network design and integration, network management.
At the end of the quarter, participants will be grouped and work on designing and building small-scale network systems with Internet Servers.

Prerequisites

Computer Science Fundamentals
Computer Systems
Database Systems
Network Systems
Computer Programming 1, 2 (C, Java)
Object-Oriented Analysis and Design
Software Engineering
Software Quality Assurance
Linux Basic Operations

Course Content

- Network Fundamentals
- Network Design and Integration
- Network Management

- Network Programming
- Network System Administration
- Network Systems Project Workshop 1

Course Duration

3rd quarter Network Systems Specialization Track (10 weeks or 252 hours)

Course Output

LAN Project

Level 4 Network Systems

Objective

At the end of the course the students are expected to:

- Understand network security technology. Being able to deploy appropriate defense for network systems
- Learn technology trends and apply for evaluating network systems
- Be able to analyze and evaluate performance of existing network systems, define system requirement
- Be able to plan installation, implementation of new network systems
- Be able to clarify role-sharing ,implement and manage network project
- Be able to build testing plan, implement testing and evaluate
- Be able to follow proper documentation guidelines on network systems development
- Be able to take responsibility to the given task, work together on the project cooperatively.

Description

The Level 4 Network Systems course covers a quarter of the network systems specialization track covering
At the end of the quarter, participants will be grouped and work on designing and establishing WANs.

Prerequisite

Computer Science Fundamentals
Computer Systems
Database Systems
Network Systems
Computer Programming 1, 2 (C, Java)
Object-Oriented Analysis and Design
Software Engineering
Software Quality Assurance
Linux Basic Operations
Network Fundamentals
Network Design and Integration
Network Management
Network System Administration
Network Systems Project Workshop 1

Course Content

Network Security
Multimedia Network Services
Routing Protocols
Network Systems Project Workshop 2

Course Duration

4TH quarter Network Systems Specialization Track (10 weeks or 252 hours)

Course Output

WAN Project

Level 3 Embedded Systems

Objective

At the end of the course the students are expected to:

- Understand digital systems and computer organization and architecture for embedded systems
- Be able to program microcontrollers
- Understand the use of 8-bit and 16-bit microcontrollers
- Be able to apply microcontroller programming to specific projects
- Be able to develop application programs to run on a real-time operating system
- Be able to follow proper documentation guidelines on embedded systems development
- Be able to take responsibility for the given task, work together on the project cooperatively.

Description

The Level 3 Embedded Systems course is the preliminary quarter of the embedded systems specialization track covering basic electronics, computer organization and architecture for embedded systems, microprocessor-based systems, real-time operating systems, embedded systems and the market and embedded systems programming.

Prerequisites

Computer Science Fundamentals
Computer Systems
Database Systems
Network Systems
Computer Programming 1, 2 (C, Java)
Object-Oriented Analysis and Design
Software Engineering
Software Quality Assurance
Linux Basic Operations

Course Content

- Basic Electronics
- Computer Organization and Architecture for Embedded Systems
- Microprocessor-based Systems
- Real-Time Operating Systems (RTOS)
- Embedded Systems and the Market
- Programming for Embedded Systems

- Embedded Systems Project Workshop 1

Course Duration

3rd quarter Embedded Systems Specialization Track (10 weeks or 252 hours)

Course Output

Mobots and ITRON Project

Level 4 Embedded Systems

Objective

At the end of the course the students are expected to:

- Understand embedded linux
- Be able to develop linux device drivers
- Be able to write embedded C – based application programs for the ARM Board
- Be able to design digital systems using Hardware Descriptor Language (HDL)
- Be able to follow proper documentation guidelines on embedded systems development
- Be able to take responsibility for the given task, work together on the project cooperatively.

Description

The Level 4 Embedded Systems course covers a quarter of the embedded systems specialization track covering embedded linux, linux device drivers, HDL-based digital design and programming for mobile devices for a total of . In this quarter, the students will also have some site visit/s to expose them further in applications of embedded systems. At the end of the quarter, target output shall be an Embedded Linux Project on the ARM Board.

Prerequisites

Computer Science Fundamentals
Computer Systems
Database Systems
Network Systems
Computer Programming 1, 2 (C, Java)
Object-Oriented Analysis and Design
Software Engineering
Software Quality Assurance
Linux Basic Operations
Basic Electronics
Computer Organization and Architecture for Embedded Systems
Microprocessor-based Systems
Real-Time Operating Systems (RTOS)
Programming for Embedded Systems

Course Content

Embedded Linux
Linux Device Drivers
HDL-Based Digital Design
Programming for Mobile Devices
Embedded Systems Project Workshop 2
Site Visits

Course Duration

4TH quarter Embedded Systems Specialization Track (10 weeks or 252 hours)

Course Output

Embedded Linux Project on the ARM Board

The Training Courses Developed by UP-ITTC

1 Full-time Course in 2005

No.	Name of the Course	Note
1.	Fundamentals of I.T.	1st Quarter
2.	Fundamentals of Software Engineering	2nd Quarter
3.	Application Specialization Track	3rd & 4th Quarter
4.	Network Systems Specialization Track	3rd & 4th Quarter
5.	Embedded Systems Specialization Track	3rd & 4th Quarter

2 Part-time Courses

No.	Name of the Course
1	CCNA 1
2	CCNA 2
3	CCNA 3
4	CCNA 4
5	PhilNITS FE Exam Review
6	Project Management
7	INTRODUCTION TO VISUAL BASIC .NET
8	ASP.NET PROGRAMMING USING VISUAL BASIC .NET
9	C# PROGRAMMING WITH MICROSOFT .NET
10	INTRODUCTION TO ORACLE PL/SQL
11	BASIC WEB DEVELOPMENT
12	PHP & MySQL
13	INTRODUCTION TO PROGRAMMING USING C (Web 上のみ)
14	C++ PROGRAMMING
15	INTRODUCTION TO JAVA PROGRAMMING (1)
16	INTRODUCTION TO JAVA PROGRAMMING (2)
17	LINUX NETWORK AND SYSTEMS ADMINISTRATION
18	OBJECT-ORIENTED ANALYSIS AND DESIGN USING UML
19	JavaEE
20	Mobile Applications Development Using Java ME
21	Delivery of High Impact Business Presentation Skills
22	Microsoft Project
23	IP Telephony (VOIP)

(Part-time Course test phase: no description)

No.	Name of the Course
1	Software Engineering and Information Security
2	Introduction to Embedded Systems
3	Game Development
4	Risk Assessment & Management of High Value Projects
5	Understanding Business Intelligence: Key to Effective Decision Making
6	Better Management of the I.T. Procurement Process

Number of Participants for each course

1 Full-time Course

Full-time Course in 2005

Capacity	Level 1 (Jun.2005-Aug.2005)	Level 2 (Aug./2005-Oct./2005)	Level 3 (Nov.2005-Jan.2006)		Level 4 (Feb.2006-Apr.2006)	
(2 Classes) 5 0	Core Part 3 8	Common Part 3 1	Application Development Track	1 8	Application Development Track	1 7
			Network Systems Track	9	Network Systems Track	9
			Total	2 7	Total	2 6

Full-time Course in 2006

Capacity	Level 1 (Jun.2006-Aug.2006)	Level 2 (Aug.2006-Oct..2006)	Level 3 (Nov.2006-Jan.2006)		Level 4 (Feb.2006-Apr.2006)	
(2 Classes) 60	Fundamentals of I.T. 75	Fundamentals of Software Engineering 59	Application Development Track	32	Application Development Track	32
			Network Systems Track	13	Network Systems Track	13
			Embedded Systems Track	13	Embedded Systems Track	13
			Total	58	Total	58

Full-time Course in 2007

Capacity	Level 1 (Jun.2007-Aug.2007)	Level 2 (Aug.2007-Oct..2007)	Level 3 (Nov.2007-Jan.2007)		Level 4 (Feb.2007-Apr.2007)	
(3 Classes) 90	Fundamentals of I.T. 93	Fundamentals of Software Engineering 78	Application Development Track	29	Application Development Track	29
			Network Systems Track	24	Network Systems Track	24
			Embedded Systems Track	22	Embedded Systems Track	22
			Total	75	Total	75

2 Part-time Courses

2005 (4th Quarter) Part-time Courses

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic.NET	Weekend(Saturday)	17	Oct.29/Nov.5/12	3	P4,000
ASP.NET Programming (using Visual Basic.NET)	Weekend(Saturday)	22	Nov.19/26/Dec.3	3	P4,000
Basic Web Development	Weekend(Sunday)	18	Nov.6/13/20/27	4	P5,500
PHP & MySQL	Weekend(Sunday)	14	Nov.6/13/27/Dec .4	4	P5,500
(Total)		(71)			

2006 (1st Quarter) Part-time Courses

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Cisco Certified Network Associate(CCNA) 1	Weekday (evening)	20	Feb.13-Mar.20	16	P 7,000
Project Management	Weekend(Saturday)	36	Feb.11-Mar.11	4	P 5,000
Introduction to Visual Basic. NET	Weekend (Saturday)	12	Feb. 1-Feb.25	3	P 4,000
ASP. NET Programming	Weekend (Saturday)	12	Mar. 4-Mar.18	3	P 4,000
PHP & MySQL	Weekend (Sunday)	20	Feb.26-Mar.26	5	P 7,000
(Total)		(100)			

2006 (2nd Quarter) Part-time Courses

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic. NET	Weekend (Saturday)	13	May 6-May 20	3	P 4,000
ASP. NET Programming	Weekend (Saturday)	13	May 27-Jun. 10	3	P4,000
C++ Programming	Weekend (Sunday)	10	May 7-Jun. 4	5	P 5,500
Java Programming	Weekday (Mon.-Fri)	17	May 8-May 12	5	P 7,000

Basic Web Development	Weekday (Mon.-Thu.)	14	May 22-May 25	4	P 5,500
PHP & MySQL	Weekend (Sunday)	14	May 28-Jun. 4	5	P 7,000
(Total)		(81)			

2006 (3rd Quarter) Part-time Courses

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic. NET	Weekend (Saturday)	15	May 6-May 20	3	P 4,000
ASP. NET Programming	Weekend (Saturday)	8	Jun 3/10/17	3	P4,000
C++ Programming	Weekend (Sunday)	9	May 14-Jun. 11	5	P 5,500
Basic Web Development	Weekday (Sunday)	15	May 22-May 25	4	P 5,500
PHP & MySQL	Weekend (Sunday)	14	May 28-Jun. 4	5	P 7,000
C# Class I	Weekend (Saturday)	21	Jun 3 to July 1	5	P 8,000
C# Class II	Weekend (Sunday)	19	Jun 4 to July 2	5	P 8,000
C# Class III	Weekend (Saturday)	12	Jun 24 to July 1	5	P 8,000
C# Class IV	Weekend (Sunday)	20	Jun 18 to July 16	5	P 8,000
CCNA 2	Weekdays(Mon, Wed, Fri,)	9	May 3 to Jun 6	9	P 7,000
(Total)		(142)			

2006 (4th Quarter) Part-time Courses

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic.NET	Weekend(Saturday)	10	Nov. 11/18/25	3	P4,000
Java Programming 1	Weekend(Sunday)	12	Oct. 22/29/ Nov.5/12/19	5	P7,000
Basic Web Development	Weekend(Sunday)	11	Nov.12/19/26/Dec.3/ 10	5	P 5,500

PHP & MySQL	Weekend(Sunday)	12	Nov.12/19/26/Dec.3/10	5	P 5,500
Project Management	Weekend (Sunday)	13	Nov.11/18/25/Dec.2	4	P 8,000
Object Oriented Analysis	Weekend(Saturday)	15	Oct.13/20/27/Nov.10	4	P 9,000
CCNA 1	Weekdays(Mon., Wed., Fri.)	17	Oct. 23 to Dec. 11	22	P 7,000
(Total)		(112)			

2007 (1st Quarter) Part-time courses

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic.NET	Weekend(Saturday)	16	Feb. 3/10/17	3	P7,000
Java Programming 1	Weekend(Saturday)	18	Jan 20,27, Feb 3/10/17	5	P7,000
Basic Web Development	Weekend(Saturday)	11	Feb 10/17/24/Mar. 3/10	5	P 7,000
PHP & MySQL	Weekend(Sunday)	14	Mar.4/11/18/25/Apr. 1	5	P 8,000
Project Management	Weekend (Sunday)	12	Feb.25/Mar.4/11/18/25	4	P 9,000
Introduction to ASP.NET	Weekend(Saturday)	19	Feb.24/Mar.3/10	3	P 7,000
CCNA 1	Weekend(Saturday)	15	Jan.27 to Mar. 24	9	P 10,000
Linux System Administration	Weekend (Sunday)	15	Jan.21/28/Feb.4/11/18	5	P 7,000
(Total)		(120)			

2007 (2nd Quarter)

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic.NET	Weekend(Saturday)	7	Apr. 14/21/28	3	P7,000

Java Programming 1 Batch 1	Weekend(Saturday)	23	Jan 20/27/ Feb 3/10/17	5	P7,000
Java Programming 1 Batch 2	Weekend(Saturday)	15	May 19/23/Jun 2	5	P7,000
Basic Web Development	Weekend(Saturday)	17	Feb 10/17/24/Mar. 3/10	5	P 7,000
PHP & MySQL	Weekend(Sunday)	18	May 6/13/20/27	5	P 8,000
Project Management	Weekend(Saturday)	12	May 6/13/20/27 Jun 3	5	P 9,000
Introduction to ASP.NET	Weekend(Saturday)	16	May 5/12/19	16	P 7,000
CCNA 1	Weekend(Saturday)	26	Apr 28-Jun 23	9	P 10,000
CCNA 2	Weekend(Saturday)	18	Apr 14- Jun 9	9	P 10,000
Linux System Administration Batch 1	Weekend(Saturday)	14	Jan.21/28/Feb.4/11/ 18	5	P 7,000
Linux System Administration Batch 2	Weekdays	12	May 21-25	12	P 7,000
IP Telephony (Voip)	Weekend(Sunday)	14	May 27 to Jun 24	14	P 7,000
(Total)		(192)			

2007 (3rd Quarter)

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic.NET	Weekend(Saturday)	12	Jul 7/14/21	3	P7,000
Java Programming 1 Batch 1	Weekend(Sunday)	21	Jul 1/18/15/22	5	P7,000
Java Programming 1 Batch 2	Weekend(Saturday)	20	Aug 25/Sep. 1/15/22	5	P7,000
Basic Web Development	Weekend(Sunday)	14	Jul 8/15/22/29	5	P 7,000
PHP & MySQL	Weekend(Sunday)	18	Aug 5/12/19	5	P 8,000
Project Management	Weekend(Saturday)	19	Aug 11/18/25 Sept 1	4	P 9,000
CCNA 1 Batch 1	Weekend(Sunday)	24	Jul 8 to Sep. 2	9	P 10,000
CCNA 1 Batch 2	Weekend(Saturday)	30	Jul 28 to Sep. 22	9	P 10,000

CCNA 2	Weekend(Saturday)	27	Jul 14 to Sep 8	9	P 10,000
J2EE	Weekend(Saturday)	13	Jul 14 to Aug 11	9	P 10,000
Linux System	Weekend (Sunday)	12	Jan.21/28/Feb.4/11/18	5	P 7,000
(Total)		(210)			

2007 (4th Quarter)

Name of the Course	Classification	Number of Participants	Duration	Days	Tuition Fee
Introduction to Visual Basic.NET	Weekend(Saturday)	14	Oct. 6/13/20/27/Nov. 3	3	P7,000
Java Programming Intermediate	Weekend(Saturday)	14	Oct. 6/13/20/27/Nov. 3	5	P7,000
C Programming	Weekend(Sunday	11	Oct. 7/14/21/28	5	P7,000
C #	Weekend(Sunday)	14	Nov. 11/18/25/Dec. 2/9	5	P8,000
Basic Web Development	Weekend(Sunday)	15	Oct. 7/14/21/28	5	P 7,000
PHP & MySQL	Weekend(Sunday)	19	Nov.11/18/25/Dec.2/9	5	P 8,000
Project Management	Weekend(Saturday)	13	Nov. 24 to Dec. 22	4	P 9,000
CCNA 1 Batch 1	Weekend(Sunday)	23	Oct. 7 to Dec. 9	10	P 10,000
CCNA 1 Batch 2	Weekend(Sunday)	19	Jul 28 to Sep. 22	10	P 10,000
CCNA 2	Weekend(Saturday)	23	Nov. 17 to Jan 19, 2008	10	P 10,000
CCNA 3	Weekend(Saturday)	10	Nov. 17 to Jan. 19, 2008	10	P 10,000
Linux System Administration	Weekend(Saturday)	16	Oct. 6/13/20/27	5	P 7,000
(Total)		(191)			

Annex 19: Current companies and the positions of Ex-full-Time-Course-Participant

Current companies and the positions of EX-full-Time-Course-Participant

Name of Companies	Name of 1st batch of Student	Position	Note
Ayala Foundation, Inc.	Andrada, Christian	Senior IT Specialist	Non Scholar
Ayala Systems Technology Inc.	Tanpoco, Daniel	Associate Network Engineer	Non Scholar
Advanced World Solutions, Inc.	Balayon, John Ray	Assistant R & D engineer	Scholar
	Bondoc, Ryan Rey	Assistant R&D Engineer	Scholar
	Tezon, Melvin	Assistant R&D Engineer	Scholar
Radix Systems Services Corporation	Bautista, Allan	Senior Programmer	Scholar
Lakeside Technologies International	Beech, Donna Marie	Requirements/Project Manager	Scholar
	Ramos, Roderick	Senior Program Manager	Non Scholar
NEC Telecom	De los Santos, Dino	Software Design Engineer 1	Scholar
Trinity	Barut, Emmanuel Joy	Software Engineer	Scholar
Tsukiden	Veral , Reinier	Junior Engineering Supervisor	Scholar
	Prawira, Aldrich	Software Design Engineer Trainee	Non Scholar
	Ramos, Roderick	Software Design Engineer	Non Scholar
	Francisco, John Paul	Design Engineer 1	Non Scholar
Ubiquitous Technology Philippines Inc.	Tanguilig, Rea Carla	Trainee Programmer	Scholar
Deutsche Knowledge Services	Gatus, France Genevieve	Associate (Appllication Development and Support Services - Business Warehousing SAP-IT)	Scholar

Alsons Information System	Maranan, Edgardo	Trainee	Non Scholar
Weserve systems Int'll	Mena, Lourdes	Senior Application Systems Engr.	Scholar
JP Morgan Singapore	Ngo, Kathleen Kristel	Service Analyst	Non Scholar
FocusMedia Audiovisuals, Inc	Viray, Marxengel	Maintenance Supervisor	Non Scholar
Softbank corp.	Magcalas, Juan Paolo	Software Design Engineer Trainee	Non Scholar

Name of Companies	Name of 2nd batch of Student	Position	Note
Astra Phils. Inc.	Bautista, Paul Benedict	Software Engineer	Scholar
UP-ITTC	Bercilla, Ernesto	Applications Development Officer	Scholar
	Rodriguez, Emmanuel Rex	Embedded Systems Training Officer	Scholar
UP Computer Center	Alejandro, Christine	Network Engineer	Non Scholar
Trinity Software Phils.	Ambito, John Mervil	Software Engineer	Non Scholar
Yoshii Software Solutions Philippines (System Yoshii)	Bocar, Anwar Julian	Programmer	Scholar
	Detera, Christopher	Programmer	Scholar
J-SYS	Baratang, Mark Jonathan	Programmer	Scholar
	Lim, John Voltaire	Programmer	Scholar
	Perdigon, Henry	Programmer	Scholar
Lavafire Software Inc.	Edolsa, Charlene	Junior Developer	Scholar
	Gener. Joseph	Junior Developer	Non Scholar
	Soriano Manuel III	Junior Developer	Non Scholar
Ubiquitous Technology Philippines Inc.	Esporlas, Eleazar	System Engineer 1	Scholar
	Gardose, Jan Michael	Software Engineer 1	Non Scholar

Annex 19: Current companies and the positions of Ex-full-Time-Course-Participant

	Lebajan, Junard	Software Engineer 1	Scholar
Soluziona Philippines, Inc.	Nolasco, Federico	Junior Consultant	Scholar
	Ramos, Julius Dave	Consultant for ADB Project	Non Scholar
IBM Solutions Delivery	Ramos, Niño James	IT Specialist - Java	Scholar
Misys International Banking System	Reyes, Ryman	Customer Service Consultant	Non Scholar
Datacraft-Asia Phil	Ronquillo, Jose Ma	Information Technology Group and Logistics Administrator	Non Scholar
	Fonte, Bernice	Field Engineer	Scholar
Fujitsu Philippines, Inc.	Gaffud, Oswaldo Jr.	Technology Support Engineer Server Support Group	Scholar
NEC Telecom Software Phils	Samaniego, Mark Lester	Software Design Engineer 1	Scholar
	Tingzon, Virgilio III	Software Design Engineer	Non Scholar
	Yu, Edixon	Software Design Engineer	Scholar
Manabat Delgado Amper & Co (Deloitte Philippines)	Lim, Julie	Senior Controls Assurance Specialist	Non Scholar

Participants' Passing Ratio of PhilNITS-FE

2008/02/19

Date	Philippine Average			UP-ITTC Students (1st batch)		
	Examinees	Passers	Passing Ratio	Examinees	Passers	Passing Ratio
Oct. 9, 2005 6th Official Examination	464	66	14.2%	24	3	12.5%
Apr. 2, 2006 7th Official Examination	392	29	7.4%	15	2	13.3%
Oct. 1, 2006 8th Official Examination	666	88	13,2%	53	3	5.7%
Apr. 2, 2007 9th Official Examination	484	130	26.9%	37	17	45.9%
Oct. 28, 2007 10th Official Examination	546	71	13.0%	74	13	17.6%

(Reference) JLPT<Level 4>

Date	UP-ITTC Students (1st batch)		
	Examinees	Passers	Passing Ratio
Dec. 4, 2005 The Japan Foundation Official JLPT	23	19	82.6%
Dec. 3, 2006 The Japan Foundation Official JLPT	55	50	90.9%
Dec. 7, 2007	66	—	—

The Japan Foundation Official JLPT			

JLPT mock test<Level 3>

Date	UP-ITTC Students (1st batch)		
Apr.12, 2006 JLPT Mock Test	Examinees	Passers	Passing Ratio
	24	3	12.5%
Apr.17, 2007 JLPT Mock Test	46	23	50.0%

Evaluation Grid of Final Evaluation for IT Human Resources Development Project in the Philippines

as of 4 March 200

Five Evaluatio Criteria	Question for evaluation		Necessary data	Results of Evaluation
	Large items	Small items		
Relevance	Agreement with the Philippine national pl	Existence in the National Science Technology Plan (NSTP)	Philippine development strategy, Stra development human resourc industry	The Project Purpose, Overall Goal and Outputs are relevant with the National Technology Plan (NSTP) of the Philippines which set IT human resourc promotion of IT industry as one of priority areas.
	Agreement with the needs who receive tl merit	Appropriateness of setting target group understanding their needs	Evaluation by enterprises, inc participants and Project member	Four target groups((1)UP faculty and ITTC instructors, (2)Trainees of UP-ITTC tra (3)teaching staff and participants of other universities and (4) Philippine defined. Needs survey has been done for target group consultants.
		Degree of the needs of the target gr change of the needs from evaluation (June 2006)	Understanding of participants and uni students, activities of similar ins	Demand for IT engineers by IT industry is greatly expanding. However other needs h changed so much.
		Effect to outside the target groups	Understanding of citizens, needs of provinces	The number of participants from regions is increasing.
	Relevance as Japanes ODA	Agreement with the ODA policy to Philippines	ODA policy to the Philippines	The whole Project is consistent with the Japan's ODA policy to the Philippines which to support sustainable economic development with its efforts for prom programs.
	Others	Implementation with clear recognition linkage/ demarcation of other don	Activities of other donors	ITTC is the leading IT institution that aims to develop high-level IT engineers that ma of IT industry including its scholarship sponsors' projects. Other coun centers similar to UPITTC but outputs and levels are no
	Attainment of Project Purpose	Degree of the attainment of the Pr Purpose	Data on the Project purpose (indicators	As a whole, The Project has attained the Project Purpose.
	Contribution to the improvement of hum resource on IT fie the Philippines	Increase of applicants/ graduates	No. of applicants, participants each c from the beginning of the Projec	The number of applicants /graduates has continuously increased every year.
		Degree of satisfaction by participants	Comments by participants on satisfaction	Almost all participants are satisfied.
		Participants' level of IT knowledge practical skills after the course	Comments by participants thems enterprises, IT industry and Proje	The passing rates of PhilNITS after 2007 is more than that of average. So the knowledge and practical skills of participants is improved.
		Degree of satisfaction of the IT industry	Comments by enterprises and industry	IT industry is satisfied on the IT capability of the UPITTC graduates and the curricul ITTC.

Effectiveness	Contributing factors fo attaining the Projec Purpose	Preparing (and revising) the curric textbooks, syllabus and teaching the courses	curriculum, textbooks, syllabus and te materials, evaluation by Project	Preparing/ revising curriculum has been done quarterly/semi-annually at Curricu Group Task Force Meeting.
		Improvement of management capabilit Project members for running eac	annual plan, implementation plan for course, evaluation of Project me	The plans of full-time, short-time, seminars and events have been prepared annu courses have been implemented according to plan.
		Proper use of facility and equipment	List of use of frequency of each equipr evaluation by Project members	All the equipment are frequently used.
		Full linkage with IT industry and UP	Comments by enterprises, industry Project members	Curriculum revision introducing the needs of IT industry has been done quarterly/sem Curriculum Working Group Task Force Meeting.
		Budget of ITTC	Balance of the budget of each y comment by Project members	Local budget from both Philippine and Japan have been provided for the smooth impl the Project.
	Suffocating factors to attaining the Projec Purpose	Degree of effect by shifting the positio resignation of ITTC staff	The number and the reasons of shift resignation of staff, comment members	A few have resigned for personal reasons. However it did not affect the implement Project. Promotion and new hires of UP-ITTC sustained its continuous o
Efficiency	Attainment of the Outp	Appropriateness of the attainment o Output	Result of the courses, seminars Comments by Project members	All the indicators helped achieve the output as mentioned in the minutes.
		Appropriateness of activities, Occurren killer assumption	Evaluation by enterprises, industry Project members	All the activities has done appropriately, the killer assumption has not occurred.
	Appropriateness of the quality, quantity an of the inputs b	Appropriateness of the number, field timing of Japanese experts	Data on the dispatch of Japanese e comments by Project members	The dispatch has been done appropriately. The fields and timing of Japanese exper studied in detail and in advance and decided in the Project.
		Appropriateness of the number, contents, receiving companies an the training in Japan	Data of receiving counterpart traini Japan, comments by Project mer	The counterpart training in Japan has been done appropriately. The fields and tim studied in detail in advance and decided in the Project.
		Quality, size and availability of the bui facilities	Condition of the building and fa comment by participants ar members	The quality and size and availability of the building has been appropriate in term of target number of full and short-time courses and administration of the
		Appropriateness of specification, quant timing of establishment of the ec	Condition and establishment of equipment, comment by Project r	The equipment is appropriately provided. The specification, quantity and timing of have been studied in detail and in advance, then decided in the Projec
		Appropriateness in size on the Project b	Balance, comment of the Project membe	Local budget has been provided in size for the smooth implementation of the Project.
	Appropriateness of the quality, quantity an of the inputs b Philippines	Appropriateness of the number, postin capabilities of Philippine staff members	Posting situation of Philippine staff, co from Project members	The number of lecturers and posting has been appropriate in terms of target number Capabilities of Philippine staff have been improved by Japanese short Japan.
		Appropriateness of Project budget	Yearly balance, comments from Pr members	Local budget has been provided appropriately for the smooth implementation of the P

Impact	Prospect for attaining Overall Goal	Attainment of Overall Goal and occurr of Killer assumption to Overall Goa	Comments from Project members and UP	It is impossible to train 400 at full-time courses per year in the present equipment an killer assumption will not occur.
	Effect to the economic aspect	Contribution of the improved IT know and skills of the participants to th	Needs survey of IT industry, comment IT enterprises	IT companies highly evaluates the graduates of UP-ITTC.
	Effect to technological aspect	Effect of technology by the activities o ITTC	Evaluation by enterprises, industry Project members	The curriculum is highly evaluated by the IT companies.
Sustainability	Policy and system aspects	Continuity of strategic support after the of the Project	ITTC vision, UP development plan, Phil National Science and Technolog (NSTP), comment from UP, members and JICA off	Human resource development will be continuously included in the plans of NEDA and now preparing assisting plan of UP-ITTC.
	Organizational aspects	Continuity of staff of ITTC who prep implements appropriate plan by posting	Personnel posting plan, situation of sh resignation,	The same or expanded personnel posting will be prepared by UP-ITTC.
		Future implementing plan of ITTC trainir courses and seminars etc.	Plan of business, Implementation plan c courses, seminars and etc., comr Project members	There is a plan for expansion of full-time and short courses.
	Financial aspects	Appropriateness of financial states	ITTC financial data, comments from U Project members	It has been and will be appropriate as for the operational expenses. The expense f NEC and equipment for replacement and expansion of the courses.
		Appropriateness for securing self financ sources	Income generation, comments from UP Project members	UP-ITTC will have a plan expanding full-time and short courses / increasing the inco courses.
		Financial support by the IT industry fro Japanese and Philippine compan	Comment from enterprises and industry	IT companies will continue scholarship because the IT capabilities of the graduates of highly evaluated by IT industry.
	Technical aspects	Continuity of posting in ITTC of Phil staff who received technical tra Japan	List of continuity of posting of Phil staff, comments from Project me	The ratio of the resignation is small than other institutions in the UP, so it will be exp the Philippine staff will remain.
		Management capability of Philippine staff	Posting, business and courses plans of comments by Project members	Management capabilities have already improved for smooth implementation of the trai and they will be maintained in the future under the College of Engineeri
		Support from other organizations such industry both Japanese and companies	Comments from enterprises, ind PhilNITS and Project members	IT companies will continue the support such as sending lecturers and staff to the working group task force.

Evaluation Grid of Final Evaluation for IT Human Resources Development Project in the Philippines

as of 4 March 2008

Five Evaluation Criteria	Question for evaluation		Necessary data	Results of Evaluation
	Large items	Small items		
Relevance	Agreement with the Philippine national plan	Existence in the National Science and Technology Plan (NSTP)	Philippine development strategy, Strategy of development human resource and IT industry	The Project Purpose, Overall Goal and Outputs are relevant with the National Science and Technology Plan (NSTP) of the Philippines which set IT human resource development towards promotion of IT industry as one of priority areas.
	Agreement with the needs who receive the merit	Appropriateness of setting target groups and understanding their needs	Evaluation by enterprises, industry, participants and Project members	Four target groups((1)UP faculty and ITTC instructors, (2)Trainees of UP-ITTC training courses, (3)teaching staff and participants of other universities and (4) Philippine IT industries) were properly defined. Needs survey has been done for target groups (1) to (3) and for target group (4) by consultants.
		Degree of the needs of the target groups, change of the needs from mid-term evaluation (June 2006)	Understanding of participants and university students, activities of similar institutes	Demand for IT engineers by IT industry is greatly expanding. However other needs have not been changed so much.
		Effect to outside the target groups	Understanding of citizens, needs of the provinces	The number of participants from regions is increasing.
	Relevance as Japanese ODA	Agreement with the ODA policy to the Philippines	ODA policy to the Philippines	The whole Project is consistent with the Japan's ODA policy to the Philippines which gives priority to support sustainable economic development with its efforts for promoting AITI (Asia IT Initiative) programs.
	Others	Implementation with clear recognition of the linkage/ demarcation of other donors	Activities of other donors	ITTC is the leading IT institution that aims to develop high-level IT engineers that match the needs of IT industry including its scholarship sponsors' projects. Other countries have developed training centers similar to UPITTC but outputs and levels are not the same.
Effectiveness	Attainment of Project Purpose	Degree of the attainment of the Project Purpose	Data on the Project purpose (indicators)	As a whole, The Project has attained the Project Purpose.
	Contribution to the improvement of human resource on IT field in the Philippines	Increase of applicants/ graduates	No. of applicants, participants each courses from the beginning of the Project	The number of applicants /graduates has continuously increased every year.
		Degree of satisfaction by participants	Comments by participants on their satisfaction	Almost all participants are satisfied.
		Participants' level of IT knowledge and practical skills after the course	Comments by participants themselves, enterprises, IT industry and Project members	The passing rates of PhilNITS after 2007 is more than that of average. So the level of IT knowledge and practical skills of participants is improved.
		Degree of satisfaction of the IT industry	Comments by enterprises and industry	IT industry is satisfied on the IT capability of the UPITTC graduates and the curriculum of the UP-ITTC.
	Contributing factors for attaining the Project Purpose	Preparing (and revising) the curriculum, textbooks, syllabus and teaching materials for the courses	curriculum, textbooks, syllabus and teaching materials, evaluation by Project members	Preparing/ revising curriculum has been done quarterly/semi-annually at Curriculum Working Group Task Force Meeting.
		Improvement of management capabilities of Project members for running each course	annual plan, implementation plan for each course, evaluation of Project members	The plans of full-time, short-time, seminars and events have been prepared annually and the courses have been implemented according to plan.
		Proper use of facility and equipment	List of use of frequency of each equipment, evaluation by Project members	All the equipment are frequently used.
		Full linkage with IT industry and UP	Comments by enterprises, industry and Project members	Curriculum revision introducing the needs of IT industry has been done quarterly/semi-annually at Curriculum Working Group Task Force Meeting.
		Budget of ITTC	Balance of the budget of each year, comment by Project members	Local budget from both Philippine and Japan have been provided for the smooth implementation of the Project.
	Suffocating factors to attaining the Project Purpose	Degree of effect by shifting the position and resignation of ITTC staff	The number and the reasons of shift and resignation of staff, comment by Project members	A few have resigned for personal reasons. However it did not affect the implementation of the Project. Promotion and new hires of UP-ITTC sustained its continuous operations.

Efficiency	Attainment of the Output	Appropriateness of the attainment of the Output	Result of the courses, seminars etc. Comments by Project members	All the indicators helped achieve the output as mentioned in the minutes.
		Appropriateness of activities, Occurrence of killer assumption	Evaluation by enterprises, industry and Project members	All the activities has done appropriately, the killer assumption has not occurred.
	Appropriateness of the quality, quantity and timing of the inputs by Japan	Appropriateness of the number, fields and timing of Japanese experts	Data on the dispatch of Japanese expert, comments by Project members	The dispatch has been done appropriately. The fields and timing of Japanese experts have been studied in detail and in advance and decided in the Project.
		Appropriateness of the number, fields, contents, receiving companies and timing of the training in Japan	Data of receiving counterpart training in Japan, comments by Project members	The counterpart training in Japan has been done appropriately. The fields and timing of it have studied in detail in advance and decided in the Project.
		Quality, size and availability of the building and facilities	Condition of the building and facility, comment by participants and Project members	The quality and size and availability of the building has been appropriate in term of conducting the target number of full and short-time courses and administration of the courses.
		Appropriateness of specification, quantity and timing of establishment of the equipment	Condition and establishment of the equipment, comment by Project members	The equipment is appropriately provided. The specification, quantity and timing of The equipment have been studied in detail and in advance, then decided in the Project.
		Appropriateness in size on the Project budget	Balance, comment of the Project members	Local budget has been provided in size for the smooth implementation of the Project.
	Appropriateness of the quality, quantity and timing of the inputs by Philippines	Appropriateness of the number, posting and capabilities of Philippine staff of Project members	Posting situation of Philippine staff, comment from Project members	The number of lecturers and posting has been appropriate in terms of target numbers in the PDM. Capabilities of Philippine staff have been improved by Japanese short-term experts and training in Japan.
		Appropriateness of Project budget	Yearly balance, comments from Project members	Local budget has been provided appropriately for the smooth implementation of the Project.
Impact	Prospect for attaining the Overall Goal	Attainment of Overall Goal and occurrence of Killer assumption to Overall Goal	Comments from Project members and UP	It is impossible to train 400 at full-time courses per year in the present equipment and facilities. The killer assumption will not occur.
	Effect to the economic aspect	Contribution of the improved IT knowledge and skills of the participants to the IT industry	Needs survey of IT industry, comment from IT enterprises	IT companies highly evaluates the graduates of UP-ITTC.
	Effect to technological aspect	Effect of technology by the activities of ITTC	Evaluation by enterprises, industry and Project members	The curriculum is highly evaluated by the IT companies.
Sustainability	Policy and system aspects	Continuity of strategic support after the end of the Project	ITTC vision, UP development plan, Philippine National Science and Technology Plan (NSTP), comment from UP, Project members and JICA office	Human resource development will be continuously included in the plans of NEDA and JICA. UP is now preparing assisting plan of UP-ITTC.
	Organizational aspects	Continuity of staff of ITTC who prepares/ implements appropriate plan by personnel posting	Personnel posting plan, situation of shift and resignation,	The same or expanded personnel posting will be prepared by UP-ITTC.
		Future implementing plan of ITTC training courses and seminars etc.	Plan of business, Implementation plan of courses, seminars and etc., comments from Project members	There is a plan for expansion of full-time and short courses.
	Financial aspects	Appropriateness of financial states	ITTC financial data, comments from UP and Project members	It has been and will be appropriate as for the operational expenses. The expense for transfer to NEC and equipment for replacement and expansion of the courses.
		Appropriateness for securing self finance sources	Income generation, comments from UP and Project members	UP-ITTC will have a plan expanding full-time and short courses / increasing the income from the courses.
		Financial support by the IT industry from both Japanese and Philippine companies	Comment from enterprises and industry	IT companies will continue scholarship because the IT capabilities of the graduates of UP-ITTC are highly evaluated by IT industry.
	Technical aspects	Continuity of posting in ITTC of Philippine staff who received technical transfer from Japan	List of continuity of posting of Philippine staff, comments from Project members	The ratio of the resignation is small than other institutions in the UP, so it will be expected most of the Philippine staff will remain.
		Management capability of Philippine staff	Posting, business and courses plans of ITTC, comments by Project members	Management capabilities have already improved for smooth implementation of the training courses and they will be maintained in the future under the College of Engineering.
		Support from other organizations such as IT industry both Japanese and Philippine companies	Comments from enterprises, industry, PhilNITS and Project members	IT companies will continue the support such as sending lecturers and staff to the curriculum working group task force.

Advisory Board and Joint Coordination Committee (JCC) and its member list

1. Advisory Board

Membership	Organization	Name of Representative
Chair	UP Vice President for Development	Dr. Ruperto P. Alonzo
Executive Director of Advisory Board	Program Director of UP-ITTC	Dr. Jaime Caro
IT industry	Electronic Industries Association of the Philippines, Inc.(EIAPI)	Mr. Victor Gruet
	Japanese Chamber of Commerce Industry in the Philippines Inc. (JCCIPI)/ Fujistu Philippines	Mr. Shigeo Tsubotani
	Philippine National I.T. Standards Foundation (PhilNITS)	Ma. Corazon Akol
	Philippine Software Industry Association (PSIA)	Ms. Beng Coronel
The University of the Philippines	College of Engineering, Department of Computer Science	Dr. Prospero Naval
	College of Engineering, Department of Electrical and Electronics Engineering	Dr. Manuel Ramos
	College of Engineering	Prof. Rowena Guevara
	College of Business Administration	Prof. Rafael Rodriguez
	Technology Management Center	Prof. Edison Cruz
Governmental Offices concerned with IT	Commission of Higher Education (CHED)	Commissioner Saturnino Ocampo
	Commission on Information and Communications Technology (CICT)	Commissioner Monchito Ibrahim
	Department of Science And Technology (DOST) and Philippine Council for Advanced Technology and Technology Research and Development	Ms. Ernie Bacarray
	Department of Trade and Industry (DTI) / Board of Investments (BOI)	Mr. Gregorio Laquindanum
	National Economic and Development Authority (NEDA)	Mr. Jose Montero
Observers	JICA Philippines	Mr. Kenzo Iwakami
	Long-Term Expert	Mr. Nozomu Goda

2. Joint Coordinating Committee

Membership	Organization	Name of Representative
Chair	UP Vice President for Development	Dr. Ruperto P. Alonzo
Project Manager	Program Director of UP-ITTC	Dr. Jaime Caro
IT industry	Electronic Industries Association of the Philippines, Inc.(EIAPI)	Mr. Victor Gruet
	Japanese Chamber of Commerce Industry in the Philippines Inc. (JCCIPI)/ Fujitsu Philippines	Mr. Shigeo Tsubotani
	Philippine National I.T. Standards Foundation (PhilNITS)	Ma. Corazon Akol
	Philippine Software Industry Association (PSIA)	Ms. Beng Coronel
The University of the Philippines	College of Engineering, Department of Computer Science	Dr. Prospero Naval
	College of Engineering, Department of Electrical and Electronics Engineering	Dr. Manuel Ramos
	College of Engineering	Prof. Rowena Guevara
	College of Business Administration	Prof. Rafael Rodriguez
	Technology Management Center	Prof. Edison Cruz
	UP System	Mr. Ariel Betan
Governmental Offices concerned with IT	Commission of Higher Education (CHED)	Commissioner Saturnino Ocampo
	Commission on Information and Communications Technology (CICT)	Commissioner Monchito Ibrahim
	Department of Science And Technology (DOST) and Philippine Council for Advanced Technology and Technology Research and Development	Ms. Ernie Bacarray
	Department of Trade and Industry (DTI) / Board of Investments (BOI)	Mr. Gregorio Laquindanum
	National Economic and Development Authority (NEDA)	Mr. Jose Montero
Observers	JICA Philippines	Mr. Kenzo Iwakami Ms. Keiko Asato
	Long-Term Expert	Mr. Nozomu Goda
	Embassy of Japan in the Philippines	Mr. Yoshio Kimura

List of Attendance of the Meeting
(Advisory Board & Joint Coordinating Committee)

1) Advisory Board Meeting

a) January 20, 2005	No	Name	Organization
	1	Prof. Rafael Rodriguez	UP- OVPD
	2	Dr. Jaime Caro	UP-ITTC
	3	Chan. Emerlinda Ramos	UP Chancellor
	4	Mr. Shigeo Tsubotani	JCCIPI (Fujitsu Phils. Inc.)
	5	Mr. Tetsuya Matsuoka	JCCI
	6	Ms. Ma. Corazon Akol	PhilNITS
	7	Mr. Fermin Taruc	PSIA
	8	Dr. Cedric Festin	UP- Computer Science
	9	Dr. Manuel Ramos Jr.	UP- Dept. Of EEE
	10	Dr. Rhodora Azanza	UP- Collge of Science
	11	Dr. Rowena Cristina Guevarra	UP- College of Engineering
	12	Mr. Charlie Calimlim	CHED
	13	Hon. Emmanuel Lallana	CICT
	14	Ms. Ernie Bacarra	NEDA
	15	Mr. Guillermo Laquidanum	DTI-BOI
	16	Mr. Jose Montero	NEDA
	17	Ms. Justina Buenaobra	DTI-BOI
	18	Mr. Hirohiko Takata	JICA Philippines
	19	Mr. Shigeru Sugiyama	JICA Philippines
	20	Mr. Santos Jun Godornes	JICA Philippines
	21	Mr. Nobumasa Iijima	UP-ITHRD
	22	Mr. Akira Toyao	UP-ITHRD
	23	Mr. Hironori Hayashi	UP-ITHRD
	24	Mr. Tetsuya Kobayashi	UP-ITHRD
	25	Mr. Shinichiro Kato	PhilNITS(JETRO)
	26	Mr. Hideo Hoya	PhilNITS
	27	Ms. Roselyn Santos	UP-ITTC
	28	Ms. Jackielyn Antonio	UP-ITTC
	29	Mr. Raul Baratang	UP-ITTC

b) October 4, 2005	No	Name	Organization
	1	Prof. Rafael Rodriguez	UP- OVPD
	2	Dr. Jaime Caro	UP-ITTC
	3	Mr. Shegeo Tsubotani	JCCIPI (Fujistu Phils. inc.)
	4	Ms. Ma. Corazon Akol	PhilNITS
	5	Dr. Rhodora Azanza	UP- Collge of Science
	6	Hon. Emmanuel Lallana	CICT
	7	Mr. Charlie Calimlim	CHED
	8	Ms. Ernie Bacarra	NEDA
	9	Mr. Jose Montero	NEDA
	10	Mr. Hirohiko Takata	JICA Philippines
	11	Mr. Shigeru Sugiyama	JICA Philippines
	12	Mr. Santos Jun Godornes	JICA Philippines
	13	Mr. Nobumasa Iijima	UP-ITHRD
	14	Mr. Akira Toyao	UP-ITHRD
	15	Mr. Hironori Hayashi	UP-ITHRD
	16	Mr. Tetsuya Kobayashi	UP-ITHRD
	17	Mr. Hideo Hoya	PhilNITS
	18	Ms. Reichlyn Buscaino	UP-ITTC
	19	Ms. Antoinette Marcelo	UP-ITTC
	20	Mr. Tetsuya Matsuoka	JCCIPI
	21	Mr. Fermin Taruc	PSIA

Annnex 23-1: List of Attendance of the Meeting (Advisory Board & Joint Coordinating Committee)

2) Joint Coordinating Committee Meeting

a) January 20, 2005	No	Name	Organization
	1	Prof. Rafael Rodriguez	UP- OVPD
	2	Dr. Jaime Caro	UP-ITTC
	3	Mr. Jose Montero	NEDA
	4	Mr. Hirohiko Takata	JICA Philippines
	5	Mr. Shigeru Sugiyama	JICA Philippines
	6	Mr. Santos Jun Godornes	JICA Philippines
	7	Hon. Emmanuel Lallana	CICT
	8	Ms. Ernie Bacarra	NEDA
	9	Dr. Rhodora Azanza	UP- Collge of Science
	10	Mr. Nobumasa Iijima	UP-ITHRD
	11	Mr. Akira Toyao	UP-ITHRD
	12	Mr. Hironori Hayashi	UP-ITHRD
	13	Mr. Tetsuya Kobayashi	UP-ITHRD
	14	Ms. Roselyn Santos	UP-ITTC
	15	Ms. Jackielyn Antonio	UP-ITTC
	16	Mr. Raul Baratang	UP-ITTC

b) October 4, 2005	No	Name	Organization
	1	Prof. Rafael Rodriguez	UP- OVPD
	2	Dr. Jaime Caro	UP-ITTC
	3	Mr. Jose Montero	NEDA
	4	Mr. Hirohiko Takata	JICA Philoppines
	5	Mr. Shigeru Sugiyama	JICA Philoppines
	6	Mr. Santos "Jun" Godornes	JICA Philoppines
	7	Hon. Emmanuel Lallana	CICT
	8	Ms. Ernie Bacarra	NEDA
	9	Dr. Rhodora Azanza	UP- Collge of Science
	10	Mr. Nobumasa Iijima	UP-ITHRD
	11	Mr. Akira Toyao	UP-ITHRD
	12	Mr. Hironori Hayashi	UP-ITHRD
	13	Mr. Tetsuya Kobayashi	UP-ITHRD
	14	Ms. Roselyn Santos	UP-ITTC
	15	Ms. Antoinette Marcelo	UP-ITTC
	16	Mr. Raul Baratang	UP-ITTC
	17	Mr. JP Petines	UP-CS
	18	Ms. Reichlyn Buscaino	UP-ITTC

List of Attendance of the Meeting

(Curriculm Working Group & Industry Collaboration Working Group)

3) Curriculum Working Group Meeting

2nd Meeting		Name	Organization
August 25, 2004	1	Mr. Joel Carvajal	Canon Information Tech. Phils.
	2	Mr. Tetsuya Ishii	Fujitsu Phils. Inc.
	3	Mr. Atsuhiro Miki	Fujitsu Phils. Inc.
	4	Mr. Felipe Santiago	Trident Electronics Corporation
	5	Mr. Vistor Gruet	Symphony Consulting
	6	Mr. Ramil Villanueva	ADTX Systems, Inc
	7	Mr. Albert Sun	Systema
	8	Mr. Ma. Rowena Solamo	UP - College of Science
	9	Ms. Linda Navarro	WESERVE SYSTEMS INTERNATIONAL, INC
	10	Mr. Teodoro Santos	Fujitsu Phils. Inc.
	11	Dr. Ronald Toñgol	UP- Computer Center
	12	Mr. Nobumasa Iijima	UP-ITHRD
	13	Mr. Tetsuya Kobayashi	UP-ITHRD
	14	Ms. Jocelyn Amascual	UP-ITHRD
	15	Ms. Roselyn Santos	UP-ITTC
	16	Dr. Jaime Caro	UP-ITTC
	17	Mr. Rafael Rodriguez	UP-OVPD
	18	Mr. Raul Baratang	UP-ITTC

3rd Meeting	No	Name	Organization
December 1, 2004	1	Mr. Greg Lainez	Radix Systems Services Corp.
	2	Dr. Jaime Caro	UP-ITTC
	3	Mr. Nobumasa Iijima	UP-ITHRD
	4	Mr. Akira Toyao	UP-ITHRD
	5	Mr. Hironori Hayashi	UP-ITHRD
	6	Mr. Tetsuya Kobayashi	UP-ITHRD
	7	Mr. Shigeru Sugiyama	JICA Philippines
	8	Ms. Ma. Corazon Akol	PhilNITS
	9	Mr. Richard Lozada	Microsoft
	10	Ms. Rosario "Ito" Gruet	Sun Phils.
	11	Ms. Roselyn Santos	UP-ITTC
	12	Ms. Jocelyn Amascual	UP-ITHRD
	13	Mr. Felipe Santiago	Trident Electronics Corporation
	14	Mr. Nestor Tiglao	UP-EEE
	15	Dr. Rowena Guevarra	UP-EEE
	16	Mr. Andre Ngo	Microsoft
	17	Dr. Ronald Tuñgol	UP- Computer Center
	18	Ms. Linda Navarro	WESERVE SYSTEMS INTERNATIONAL, INC
	19	Prof. Lemuel Braña	SVI
	20	Mr. R. Gervacio	SVI
	21	Ms. Ma. Rowena Solamo	UP - Computer Science
	22	Mr. Raul Baratang	UP-ITTC

Annnex 23-2: List of Attendance of the Meeting
(Curriculm Working Group & Industry Collaboration Working Group)

4th Meeting April 27, 2005	No	Name	Organization
	1	Dr. Jaime Caro	UP-ITTC
	2	Dr. Nestor Tiglao	UP- Computer Center
	3	Dr. Edison Cruz	UP College of Business Administration
	4	Dr. Ronaldo Tungol	UP- Computer Center
	5	Mr. Tetsuya Ishii	Fujitsu Phils. Inc.
	6	Dr. Elvira Zamora	UP College of Business Administration
	7	Mr. Nobumasa Iijima	UP-ITHRD
	8	Mr. Akira Toyao	UP-ITHRD
	9	Mr. Hironori Hayashi	UP-ITHRD
	10	Ms. Roselyn Santos	UP-ITTC
	11	Ms. Jackielyn Antonio	UP-ITTC
	12	Mr. Katsumi Yoshida	JICA Philippines

5th Meeting August 11, 2005	No	Name	Organization
	1	Dr. Evira Zamora	UP College of Business Administration
	2	Dr. Gloria Talavera	UP College of Business Administration
	3	Mr. Manuel Jose Dioguino	UP College of Business Administration
	4	Prof Rommel Feria	UP Department of Computer Science
	5	Dr. Cedric Angelo Festin	UP Department of Computer Science
	6	Prof. Arnold Putong	UP Department of Computer Science
	7	Ms. Jhoanna Rhodette Ibabao	UP- Dept. Of Electrical and Electronics Engineering
	8	Mr. Victor Gruet	Electronics Iindustries Association of the Philippines (EIAPI)
	9	Mr. Jun D. Lasco	Fujitsu Phils. Inc.
	10	Mr. Tetsuya Ishii	Fujitsu Phils. Inc.
	11	Mr. Nobumasa Iijima	UP-ITHRD
	12	Mr. Akira Toyao	UP-ITHRD
	13	Dr. Jaime Caro	UP-ITTC
	14	Ms. Roselyn Santos	UP-ITTC
	15	Ms. Antoinette Marcelo	UP-ITTC
	16	Prof. Lemuel Braña	SVI
	17	Mr. Bernardino Buenaobra	UP-NIP
	18	Mr. Rowel Atienza	UP- Dept. EEE
	19	Mr. Edilberto Bernardo	Fujitsu Phils. Inc.
	20	Mr. Adolfo Conui	Fujitsu Phils. Inc.
	21	Mr. Jun Godornes	JICA
	22	Ms. Joyce Avestro	UP-Department of Computer Center
	23	Mr. Tetsuya Kobayashi	UP-ITHRD
	24	Mr. Hironori Hayashi	UP-ITHRD

6th Meeting December 14, 2005	No	Name	Organization
	1	Dr. Elvira A. Zamora	UP College of Business Administration
	2	Prof. Osmon Burgos	UP College of Engineering
	3	Mr. Jun Godornes	JICA
	4	Prof. Percival Magpantay	UP College of Engineering
	5	Prof. Lemuel Braña	SVI
	6	Mr. Albert Sun	Systema Corporation
	7	Mr. Bernardino J. Buenaobra	UP- NIP
	8	VP Ruperto Alonzo	UP Diliman -OIC for Development
	9	Prof. Rhadley Cajote	UP College of Engineering
	10	Dr. Jaime Caro	UP-ITTC
	11	Mr. Nobumasa Iijima	UP-ITHRD
	12	Mr. Akira Toyao	UP-ITHRD
	13	Mr. Hironori Hayashi	UP-ITHRD
	14	Dr. Susan Festin	UP- Computer Science
	15	Mr. Jonathan Robles	UP-ITTC
	16	Ms. Roselyn Santos	UP-ITTC
	17	Ms. Antoinette Marcelo	UP-ITTC
	18	Mr. Raul Baratang	UP-ITTC
	19	Mr. Hilario Benjamin Gabud	UP-ITTC
	20	Ms. Jocelyn Amascual	UP-ITHRD
	21	Mr. Joseph Ma. Valdez	Tsukiden Software Phils. Inc
	22	Ms. Rowena Solamo	UP-Dept. of Computer Science

4) Industry Collaboration Working Group Meeting

1st Meeting October 6, 2004	No	Name	Organization
	1	Mr. Shigeo Tsubotani	JCCIPI (Fujitsu Phils. Inc.)
	2	Mr. Fermin Taruc	Philippine Software Industry Association
	3	Mr. Nobumasa Iijima	UP-ITHRD
	4	Mr. Akira Toyao	UP-ITHRD
	5	Mr. Hironori Hayashi	UP-ITHRD
	6	Dr. Rowena Guevarra	UP-College Engineering
	7	Dr. Henry Adorna	UP- Department of Math
	8	Ms. Ma. Corazon Akol	PhilNITS
	9	Mr. Fred Kintanar	NEC
	10	Ms. Ma. Rowena Solamo	UP- Collge of Science
	11	Prof. Benjamin C. Sandoval	UP- College of Business Administration
	12	Mr. Guillermo Laquidanum	DTI - BOI
	13	Mr. Carlo Subido	Leverage Systems Technologies, Inc
	14	Mr. Manuel Jose Dioguino	UP- College of Business Administration
	15	Mr.Tadashi Ishikawa	ADTX
	16	Ms.Tae Abe	Spice Works
	17	Mr. Sherwin Yu	Alliance Business Software Solutions
	18	Mr. Gregorio Lainez	Radix Systems Services Corp.
	19	Mr. Tetsuya Kobayashi	UP-ITHRD
	20	Dr. Jaime Caro	UP-ITTC
	21	Prof. Rafael Rodriguez	UP-OVPD
	22	Mr. Leo Querubin	Crimson Logic
	23	Mr. Monchito Ibrahim	Philippine Computer Society

Annnex 23-2: List of Attendance of the Meeting
(Curriculm Working Group & Industry Collaboration Working Group)

2nd Meeting April 22, 2005	No	Name	Organization
	1	Mr. Ramil Villanueva	ADTX Phils.
	2	Mr. Nobumasa Iijima	UP-ITHRD
	3	Mr. Akira Toyao	UP-ITHRD
	4	Dr. Jaime Caro	UP-ITTC
	5	Mr. Hajime Ebihara	Tuskiden Software Phils.
	6	Mr. Joseph Valdez	Fujitsu Phils. Inc.
	7	Ms. Ma. Theresa Nanquil	Radix Systems Services Corp.
	8	Ms. Ma. Cecilia Anson	Tuskiden Software Phils.
	9	Mr. Mitsuharu Hamada	J-Sys Phils.
	10	Ms. Myrna Reyes	J-Sys Phils.
	11	Mr. Jun Godornes	JICA
	12	Mr. Cezar Gatmaytan	Canon Phils.
	13	Ms. Antoinette Marcelo	UP-ITTC
	14	Mr. Jonathan Robles	UP-ITTC
	15	Mr. Hilario Benjamin Gabud	UP-ITTC

3rd Meeting January 18, 2006	No	Name	Organization
	1	Mr. Ramil Villanueva	ADTX Phils.
	2	Mr. Fred Kintanar	NEC
	3	Mr. Joseph Valdez	Tsukiden Software Technologies, Inc.
	4	Mr. Raddie Capiral	Intertek Group, Inc.
	5	Mr. Edilberto Bernardo	WeServe Systems International Inc.
	6	Mr. Kei Kawamura	ASTRA Phils.
	7	Mr. Akira Toyao	UP-ITHRD
	8	Dr. Jaime Caro	UP-ITTC
	9	Ms. Antoinette Marcelo	UP-ITTC
	10	Mr. Jonathan Robles	UP-ITTC
	11	Mr. Hilario Benjamin Gabud	UP-ITTC
	12	Mr. Noel Ramos	UP-ITTC
	13	Mr. Aloysius Torres	ADTX Phils.
	14	Ms. Mitch Locsin	Business Processing Association

4th Meeting April 24, 2006	No	Name	Organization
	1	Mr. Shigeru Sugiyama	JICA Philippines
	2	Mr. Felipe Santiago	Trident Electronics Corporation
	3	Mr. Rizalde Go	Fujitsu Phils. Inc.
	4	Mr. Shigeo Tsubotani	JCCIPI (Fujitsu Phils. Inc.)
	5	Mr. Jun Godornes	JICA Philippines
	6	Mr. Krismel del Rosario	Trinity Phils.
	7	Ms. Michel Anson	Tuskiden Software Phils.
	8	Mr. Allan Angelo Bautista	Radix Systems Services Corp.
	9	Mr. Royce Ian Mercadal	Radix Systems Services Corp.
	10	Mr. Edwin Mogul	Astra Phils.
	11	Ms. Marisse Laraya	Astra Phils.
	12	Mr. Rodrigo Capiral	Intertek
	13	Mr. John Venenzuela	Intertek
	14	Mr. Anthony Sales	Intertek
	15	Prof. Lemuel Baraña	SVI
	16	Mr. Ariel Betan	UP- Manila
	17	Mr. Nobumasa Iijima	UP-ITHRD
	18	Mr. Akira Toyao	UP-ITHRD
	19	Mr. Raul Baratang	UP-ITTC
	20	Mr. Jayson Balais	UP-ITTC
	21	Mr. Noel Ramos	UP-ITTC
	22	Ms. Antoinette Marcelo	UP-ITTC
	23	Dr. Jaime Caro	UP-ITTC

List of Attendance of the CWG and CWG-TF Meeting

3) Curriculum Working Group Meeting

EmbSys CWG Meeting	No	Name	Organization
October 9, 2007	1	Dr. Jaime Caro	UP-ITTC
	2	Mr. Nozomu Goda	UP-ITHRD
	3	Mr. Yuji Ozaki	UP-ITHRD
	4	Mr. Akira Toyao	UP-ITHRD
	5	Ms. Kiyomi Sanomine	UP-ITHRD
	6	Mr. Raul Baratang	UP-ITTC
	7	Ms. Antoinette Marcelo	UP ITTC
	8	Ms. Roselyn Santos	UP-ITTC
	9	Mr. Jonathan Robles	UP-ITTC
	10	Mr. Larben Gabud	UP-ITTC
	11	Mr.. JP Petines	UP-ITTC
	12	Mr. Nathaniel Villanueva	UP-ITTC
	13	Dr. Vincent Ricardo Daria	UP CSRC
	14	Mr. Jonathan Bolo	ASTI
	15	Mr, Jose Redentor Glifonea	ASTI
	16	Prof. Percival Magpantay	UP EEE
	17	Mr. Franz Alonzo	UP EEE
	18	Mr. Mark Talampas	UP EEE
	19	Mr. Michael Abundo	UP EEE
	20	Mr. Shigeo Tsubotani	Fujitsu Phils, Inc.
	21	Mr. Akira Ikezoe	Fujitsu Phils, Inc.
	22	Mr. Honofre Tingson Jr.	Fujitsu Ten Solutions Phils, Inc
	23	Mr. Tadashi Ishikawa	Advanced World Systems, inc
	24	Mr. Ramil Villanueva	Advanced World Systems, inc
	25	Mr. Eliseo Libarios	Ubiquitous Technology Phils, Inc
	26	Mr. Jun Lasco	Ayala Systems Technology, Inc
	27	Mr. Edwin Mogul	Astra Philippines, Inc
	28	Mr. Jofel Esleta	Micom Tech
	29	Mr. Jun Godornes	JICA

NetSys CWG Meeting		Name	Organization
October 5, 2007	1	Dr. Jaime Caro	UP ITTC
	2	Ms. Kiyomi Sanomine	UP-ITHRD
	3	Ms. Antoinette Marcelo	UP ITTC
	4	Mr. Nestor Tiglao	UP Computer Center
	5	Mr. Frank Mendoza	UP Computer Center
	6	Mr. Ariel Betan	UP System

EmbSys CWG Meeting	No	Name	Organization
October 9, 2007	1	Dr. Jaime Caro	UP-ITTC
	2	Mr. Raul Baratang	UP-ITTC
	3	Ms. Kiyomi Sanomine	UP-ITHRD
	4	Mr. Yuji Ozaki	UP-ITHRD
	5	Dr. Vincent Ricardo Daria	UP CSRC
	6	Ms. Antoinette Marcelo	UP ITTC
	7	Mr. Larben Gabud	UP ITTC
	8	Mr. Noel Ramos	UP ITTC
	9	Mr. Rex Rodriguez	UP ITTC

Annnex 23-3: List of Attendance of the Meeting (Curriculum Working Group)

EmbSys CWG Meeting January 17, 2008	No	Name	Organization
	1	Dr. Luis Sison	UP System
	2	Ms. Kiyomi Sanomine	UP-ITHRD
	3	Ms. Antoinette Marcelo	UP ITTC
	4	Mr. Larben Gabud	UP ITTC
	5	Mr. Michael Lochinvar Sim Abundo	UP EEE
	6	Mr. Roland Jay Miguel	UP EEE

NetSys CWG Meeting January 23, 2008	No	Name	Organization
	1	Mr. Ariel Betan	UP System
	2	Ms. Kiyomi Sanomine	UP-ITHRD
	3	Ms. Antoinette Marcelo	UP ITTC
	4	Ms. Christine Alejandro	UP Computer Center
	5	Mr. Rizaldy Go	UP Computer Center
	6	Mr. Ronaldo Marco Jr	Fujitsu Phils
	7	Mr. Romell Verdillo	Fujitsu Phils

AppDev CWG Meeting January 23, 2008	No	Name	Organization
	1	Ms. Rowena Solamo	UP Computer Science
	2	Ms. Kiyomi Sanomine	UP-ITHRD
	3	Ms. Antoinette Marcelo	UP ITTC
	4	Mr. Ernest Bercilla	UP ITTC
	5	Mr. Larben Gabud	UP ITTC
	6	Ms. Ofie Indionco	Fujitsu Phils

Project Design Matrix (PDM)

(Prepared on 7 Jul. 2006)

Project Title: Information Technology Human Resources Development Project (IT-HRD)
Project Period: July 20, 2004 - July 19, 2008
Target Places: Quezon City, Republic of the Philippines
Target group: UP faculty and ITTC instructors, Trainees of UP-ITTC training courses, teaching staff and participants of other universities and Philippine IT industries
Drafted by: JICA second Preparatory Study Team, JICA Expert team and its counterparts

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
Overall goal - Skilled IT engineers with potential to be core IT staff in the relevant business sector will be continuously supplied through the activities of ITTC.	1. 400 of full-time course graduates are produced from ITTC and available in IT employment every year 2. The graduates from the full-time course get to work as core IT engineers in IT industries.	1. Statistics and records at ITTC 2. Follow-up survey (questionnaire and interview) to industries and graduates	- Political and economic situations in the Philippines continue to stabilize and grow. - Sufficient participation and cooperation from government bodies, industry and other educational institutions. - Appropriate budget necessary for instructor's training, procurement and replacement of equipment are secured for the expanding ITTC - ITTC secures permanent training venue.
Project purpose - The Project aims to provide IT course graduates of university / college and IT engineers with the appropriate IT training courses to enhance their skills and knowledge to meet the industry needs.	1. Stable operation of the Project/ITTC with budget securance 2. 4 ITTC full-time instructors and more than 30 part-time instructors are secured and will have capacity for planning, development and implementation of training 3. More than 80% of ITTC graduates in full-time course get IT-related job in IT industry. 4. More than 80% of participants and companies accept the graduates and give high-value to The Project/ITTC.	1. Statistics and records at ITTC (personnel, budget allocation etc.) 2. Questionnaire and interview survey for C/Ps and instructors from outside/Questionnaire and interview survey for participants 3. Statistices and records at The Project/ITTC (participants record, number of certificate issue, training record, pass rate for qualification, job acquisition, company profile, titles, annual salary) 4. Questionnaire and interview survey for companies and graduates	- UP or Government allocate budget adequately for establishment and operation of ITTC.

Annex 24: Project Design Matrix (PDM) revised on 7 July 2006

Outputs			
0. Organization and operational function of the Project/ITTC are established and strengthened.	0-1.Various management items are traced and recorded with an establishment of management system, staff and budget. 0-2.Personnel, facilities, equipment and budget for training is appropriately secured. 0-3.Utilization/ maintenance of installed machinery and equipment are recorded.	0-1.Statistics and records at The Project/ITTC (personnel, financial statement, collaboration with industries) 0-2.Statistics and records at The Project/ITTC (personnel, financial statement, equipment) 0-3.Statistics and records at The Project/ITTC (utilization and maintenance of equipment/machinery)	- UP's (Government's) policy on and commitment to the Project remain unchanged. - Legal status of ITTC is established. - Sufficient number of trained C/Ps and ITTC instructors remain in IT training fields. - Facilities and equipment necessary for training are secured. - Sufficient number of UP faculty is secured for the project implementation.
1. Philippine instructors' teaching skills / knowledge on the subjects of IT Core Course, Applications Development, Embedded Systems, Network Systems are improved.	1-1.Technical knowledge and skills of C/Ps are improved through various trainings. 1-2. Technical knowledge and skills of C/Ps are improved by technical transfer among the C/Ps.	1-1.Statistics and records at The Project/ITTC (implementation of C/P training, survey results of technical transfer, survey to participants and industry) 1-2.Statistics and records at The Project/ITTC (technical transfer among the C/Ps, survey results of technical transfer	- Frequent transfer of the C/Ps do not occur.
2. Philippine side is capable of providing IT training courses on its own in a sustainable manner and with a satisfactory quality corresponding to the needs of the IT industry. (planning of training courses, development of curriculum / training materials / teaching methods, conduct of training and revision).	2-1.Overall training plan is made. 2-2.Curriculum, teaching material, course guide in guideline for instructors of each course are developed based on the overall training plan. 2-3.Conducting instructor's training according to plan. 2-4.Conducting training course for total 1,700 participants 200:Full-time course 1,500:Part-time course 2-5.Conducting special seminar several times in a year to increase understanding of The project. 2-6.Revision of courses based on the needs collected course evaluation by participants and industry. 2-7.Evaluation guideline is prepared. 2-8.More than 80% of participants in full-time and part-time courses are satisfied with the training 2-9. The passing rate of JITSE-Phil examination for full-time course participants become higher than that of passing rate for the Philippines.	2-1.Statistics and records at The Project/ITTC (activities and planned policy for training plan) 2-2.Statistics and records at The Project/ITTC (curriculum and teaching materials for each purpose, related activities) 2-3.Statistics and records at The Project/ITTC (record of instructor's training in the project) 2-4.Statistics and records at The Project/ITTC (number of courses, participants and training records) 2-5.Record at The Project/ITTC (number of seminars, participants and summary of each seminar) 2-6.Statistics and records at The Project/ITTC (monitoring, evaluation and feedback of each course) 2-7.Statistics and records at The Project/ITTC (activities related to evaluation system guideline) 2-8.Statistics and records at The Project/ITTC (survey for participants in each course) 2-9.Statistics and records at The Project/ITTC (internal data) and statistics at JITSE-Phil	

3. Strong partnership with IT industry is built and maintained (curriculum development, sponsorship, job opportunities, etc.)	3-1.A large number of job and scholarship opportunities are provided by IT related companies for full-time course trainees. 3-2.IT engineers in private industries actively participate in teaching activities in ITTC. 3-3.Advisory board meetings are held at least twice a year. 3-4. Curriculum working group meetings and Industry Collaboration working group meetings are held as according to plan. 3-5.Donation from industries are provided.	3-1.Statistics and records at The Project/ITTC (applicants, opportunities, company name and title for jobs/scholarship) 3-2.Statistics and records at The Project/ITTC (record of course instructor) 3-3.Statistics and records at The Project/ITTC (minutes of discussion on Advisory Board) 3-4.Statistics and records at The Project/ITTC (minutes of discussion on each working group) 3-5.Statistics and records at The Project/ITTC(record of acceptance of donation)	
4. The Project/ITTC recognized as an IT training institute.	4-1. Related documents are prepared as planed and the briefing are held. 4-2. Number of prospected students and support for training increased every year. 4-3. Recognition and interesting for the Project/ITTC are increased every year. 4-4. Number of applicants become larger than that of capacity.	4-1.Statistics and records at The Project/ITTC (Number of public relation documents and related publication) 4-2.Statistics and records at The Project/ITTC (record of briefing; participants, impression) and survey report(for applicants) 4-3.Statistics and records at The Project/ITTC (survey for each targeted clusters) 4-4.Statistics and records at The Project/ITTC	
Activities	**Input**		
0-1.Establishment of project management system (secure instructors, staff, budget and facilities for the Project; assignment of dedicated staff and creation of operational organization) 0-2. Securing administration and training space, equipment and network system for the Project. 0-3. Collection of project-related information (such as, baseline data, trends in technology, activities of the other training institutions. 0-4. Planning, implementation, monitoring and evaluation of project activities 0-5. Planning course system (draft) for the Project/ITTC 0-6. Establishing official partnership with IT Industries for effective implementation of the Project. 1-1. Development of skills and technology on IT-core courses and subjects	**The Japanese side** Personnel: 4 Long-term experts: - Chief Advisor, - Expert for IT Training Institution Management, and Industry Partnership Building, - Expert for Training/Curriculum Design/ development, training implementation, - Project Coordinator Short-term experts for technology transfer: in the fields of - Core-part Training - Applications Development Training - Network Systems Training - Embedded Systems Training Equipment: - Equipment for development such as PC, Server and necessary software - Equipment for training such as PC, Server, network equipment and related software (for 4 classrooms) Training in Japan: several persons per year (in the first 3 years of the Project)	**The Philippine side** Personnel: Project Director(PD): One (1) Project Manager (PM): One (1) Primary C/P(*): 10 Secondary C/P: 30 ITTC full-time instructors(*): 4 ITTC full-time administrative staff: 3-5 Japanese language instructor (full-time): One(1) if possible Facilities: Facilities for development and training for ITTC activities Local cost: Costs for development and training for ITTC activities * 4 of "ITTC full-time instructors" are included in 10 of "Primary C/P"	

1-2. Development of skills and technology on Applications Development- related courses/subjects 1-3. Development of skills and technology on Network Systems-related courses/subjects 1-4. Development of skills and technology on Embedded Systems-related courses/subjects 1-5. Transferring the above mentioned technology among the C/Ps 2-1. Needs survey and analysis for training courses/subjects 2-2. Preparation of the training plan of each course/subject 2-3. Preparation of syllabus for each course/subject 2-4. Development of teaching material for each course/subject 2-5. Development of exercises & case study for each course 2-6. Training of instructors for each course/subject 2-7. Development of evaluation method for each course 2-8. Implementation of each course 2-9. Advertising/Marketing of courses 2-10. Development of entrance examination and selection of trainees 2-11. Evaluation of courses by trainees 2-12. Analysis of training implementation 2-13. Preparing draft of revision of training plan 2-14. Revision of training plan 3-1. Establishing a mechanism to closely coordinate with IT industries in order to capture business			

circumstances and market needs 3-2. Review and revision of comprehensive policy in Joint Coordinating Committee Advisory Board (twice a year) 3-3. Reflection of IT industry needs by having curriculum working group 3-4. Discussion & decision of collaboration methods by having industries collaboration working group 3-5. Recruitment of instructors from IT industry 3-6. Gathering financial support (such as scholarship) from IT industry 3-7. Mediation of job opportunity for full-time participants (listing accepting company, coordination and matching) 3-8. Follow-up survey and consultation for graduates 4-1. Public relations planning for the Project/ ITTC 4-2. Preparing documentation to each cluster (general, IT related university/ college, industry) 4-3. Holding explanatory meetings /fairs to each cluster 4-4. Other public relations activity			

Notes: Regarding the components of Training Courses offered in the Satellite Site in Metro Manila Area, the inclusion of these issues in the Master Plan would be discussed and determined when the detailed plan comes out.

University of the Philippines Information Technology Training Center

Projected Financial Statements for the Years Ended December 31, 2008, 2009, 2010 and 2011

I. Summary of Findings

Is UPITTC financially viable?

Yes, it is. For the four projected years, projected total revenues are more than projected expenses, thus it has enough cash to finance its operations. However, if the Center pursues its plan to purchase assets using its own funds, then its cash reserves will stay at a minimal level.

Therefore, with the asset acquisition plan, there is a need to create additional programs for the Center and additional sources of financing.

Is there an issue on UPITTC and UPSITF as separate entities?

Yes, there is. For example, in the accounting of payroll cost - an employee can be working for both entities at the same time, as such there is a need to properly allocate the payroll cost of that employee to both UPITTC and UPSITF, otherwise actual data will not be reliable.

II. Statement of Activities

Projected Statements of Activities

For the Years Ended December 31, 2008 and 2009

	For the Year Ended December 31, 2008			For the Year Ended December 31, 2009		
	Tuition Fees	Fund Raising		Tuition Fees	Fund Raising	
Custodian	System Accounting	UPSITF	Total	System Accounting	UPSITF	Total
REVENUES						
Total Training Fee	6,770,000.00		6,770,000.00	9,471,000.00		9,471,000.00
Other Course-related Fees	766,500.00		766,500.00	818,550.00		818,550.00
Donations from Sponsors		1,617,482.00	1,617,482.00		1,827,754.66	1,827,754.66
Short Courses		3,900,000.00	3,900,000.00		4,290,000.00	4,290,000.00
Y4IT		6,900,000.00	6,900,000.00		7,400,000.00	7,400,000.00
	7,536,500.00	12,417,482.00	19,953,982.00	10,289,550.00	13,517,754.66	23,807,304.66
EXPENSES						
Salaries	2,974,950.00	991,650.00	3,966,600.00	3,578,850.00	1,192,950.00	4,771,800.00
Lecturers' Honoraria	1,600,000.00		1,600,000.00	2,200,000.00		2,200,000.00
Employee Benefits		574,464.60	574,464.60		622,305.00	622,305.00
Curriculum Advisors		0.00	0.00		0.00	0.00
Training and Development	399,500.00		399,500.00	598,500.00		598,500.00
Total Personnel Costs	4,974,450.00	1,566,114.60	6,540,564.60	6,377,350.00	1,815,255.00	8,192,605.00
Training materials and other expenses		175,000.00	175,000.00		262,500.00	262,500.00
Certification and licenses		112,500.00	112,500.00		169,500.00	169,500.00
Meeting and conferences		25,000.00	25,000.00		25,000.00	25,000.00
Rent	130,000.00		130,000.00	143,000.00		143,000.00
Advertising		420,000.00	420,000.00		441,000.00	441,000.00
Supplies		399,079.64	399,079.64		476,146.09	476,146.09
Printing and reproduction		199,539.82	199,539.82		238,073.05	238,073.05
Telephone and communication	95,239.31		95,239.31	109,525.21		109,525.21
Transportation		124,688.86	124,688.86		137,157.75	137,157.75
Accommodation		7,343.60	7,343.60		8,077.96	8,077.96
Light and Water	1,537,018.19		1,537,018.19	1,690,720.00		1,690,720.00
Repairs and maintenance		111,960.07	111,960.07		123,156.07	123,156.07

Miscellaneous Expense		29,546.77	29,546.77		32,501.44	32,501.44
	1,762,257.50	1,604,658.75	3,366,916.26	1,943,245.21	1,913,112.36	3,856,357.57
Y4IT Expenses		5,175,000.00	5,175,000.00		5,550,000.00	5,550,000.00
Short courses expenses		2,760,000.00	2,760,000.00		2,960,000.00	2,960,000.00
	0.00	7,935,000.00	7,935,000.00	0.00	8,510,000.00	8,510,000.00
	6,736,707.50	11,105,773.35	17,842,480.86	8,320,595.21	12,238,367.36	20,558,962.57
EXCESS OF REVENUES OVER EXPENSES FOR THE YEAR	**799,792.50**	**1,311,708.65**	**2,111,501.14**	**1,968,954.79**	**1,279,387.30**	**3,248,342.09**

Projected Statements of Activities
For the Years Ended December 31, 2010 and 2011

	For the Year Ended December 31, 2010			For the Year Ended December 31, 2011		
	Tuition Fees	Fund Raising		Tuition Fees	Fund Raising	
Custodian	System Accounting	UPSITF	Total	System Accounting	UPSITF	Total
REVENUES						
Total Training Fee	11,397,000.00		11,397,000.00	11,736,000.00		11,736,000.00
Other Course-related Fees	923,050.00		923,050.00	923,050.00		923,050.00
Donations from Sponsors		2,065,362.77	2,065,362.77		2,333,859.93	2,333,859.93
Short Courses		4,719,000.00	4,719,000.00		5,190,900.00	5,190,900.00
Y4IT		7,900,000.00	7,900,000.00		8,400,000.00	8,400,000.00
	12,320,050.00	14,684,362.77	27,004,412.77	12,659,050.00	15,924,759.93	28,583,809.93
EXPENSES						
Salaries	5,619,240.00	1,873,080.00	7,492,320.00	5,619,240.00	1,873,080.00	7,492,320.00
Lecturers' Honoraria	3,226,666.67		3,226,666.67	3,226,666.67		3,226,666.67
Employee Benefits		782,312.40	782,312.40		782,312.40	782,312.40
Curriculum Advisors		0.00	0.00		0.00	0.00
Training and Development	552,800.00		552,800.00	630,800.00		630,800.00
Total Personnel Costs	9,398,706.67	2,655,392.40	12,054,099.07	9,476,706.67	2,655,392.40	12,132,099.07
Training materials and other expenses		262,500.00	262,500.00		262,500.00	262,500.00
Certification and licenses		169,500.00	169,500.00		169,500.00	169,500.00
Meeting and conferences		25,000.00	25,000.00		25,000.00	25,000.00
Rent	157,300.00		157,300.00	173,030.00		173,030.00
Advertising		463,050.00	463,050.00		486,202.50	486,202.50
Supplies		540,088.26	540,088.26		571,676.20	571,676.20
Printing and reproduction		270,044.13	270,044.13		285,838.10	285,838.10
Telephone and communication	125,953.99		125,953.99	144,847.09		144,847.09
Transportation		150,873.52	150,873.52		165,960.88	165,960.88
Accommodation		8,885.76	8,885.76		9,774.33	9,774.33
Light and Water	2,430,426.85		2,430,426.85	2,673,469.51		2,673,469.51
Repairs and maintenance		135,471.68	135,471.68		149,018.85	149,018.85
Miscellaneous Expense		35,751.59	35,751.59		39,326.74	39,326.74
	2,713,680.84	2,061,164.93	4,774,845.77	2,991,346.60	2,164,797.60	5,156,144.20
Y4IT Expenses		5,925,000.00	5,925,000.00		6,300,000.00	6,300,000.00

Short courses expenses		3,160,000.00	3,160,000.00		3,360,000.00	3,360,000.00
	0.00	9,085,000.00	9,085,000.00	0.00	9,660,000.00	9,660,000.00
	12,112,387.51	13,801,557.33	25,913,944.84	12,468,053.27	14,480,190.00	26,948,243.27
EXCESS OF REVENUES OVER EXPENSES FOR THE YEAR	**207,662.49**	**882,805.44**	**1,090,467.93**	**190,996.73**	**1,444,569.93**	**1,635,566.66**

III. Schedule of Cash, Ending Balances

Scenario 1: With Asset Acquisition

	2008			2009		
	UP System	UPSITF	TOTAL	UP System	UPSITF	TOTAL
EXCESS OF REVENUES OVER EXPENSES FOR THE YEAR	**799,792.50**	**1,311,708.65**	**2,111,501.14**	**1,968,954.79**	**1,279,387.30**	**3,248,342.09**
Less: Capital Acquisitions						
Office Equipment	329,000.00		329,000.00	300,000.00		300,000.00
Furniture and Fixtures	50,000.00		50,000.00	255,000.00		255,000.00
IT Equipmemt and Software	329,000.00		329,000.00	2,400,000.00	2,400,000.00	4,800,000.00
	708,000.00	0.00	708,000.00	2,955,000.00	2,400,000.00	5,355,000.00
Increase in Cash	91,792.50	1,311,708.65	1,403,501.14	-986,045.21	-1,120,612.70	-2,106,657.91
Add: Cash, January 1	1,793,666.10	847,404.55	2,641,070.65	1,885,458.60	2,159,113.20	4,044,571.79
Cash, December 31	**1,885,458.60**	**2,159,113.20**	**4,044,571.79**	**899,413.39**	**1,038,500.49**	**1,937,913.88**

	2010			2011		
	UP System	UPSITF	TOTAL	UP System	UPSITF	TOTAL
EXCESS OF REVENUES OVER EXPENSES FOR THE YEAR	**207,662.49**	**882,805.44**	**1,090,467.93**	**190,996.73**	**1,444,569.93**	**1,635,566.66**
Less: Capital Acquisitions						
Office Equipment	60,000.00		60,000.00	60,000.00		60,000.00
Furniture and Fixtures	60,500.00		60,500.00	66,550.00		66,550.00
IT Equipmemt and Software	335,000.00	1,005,000.00	1,340,000.00		1,690,000.00	1,690,000.00
	455,500.00	1,005,000.00	1,460,500.00	126,550.00	1,690,000.00	1,816,550.00
Increase in Cash	-247,837.51	-122,194.56	-370,032.07	64,446.73	-245,430.07	-180,983.34
Add: Cash, January 1	899,413.39	1,038,500.49	1,937,913.88	651,575.88	916,305.93	1,567,881.81
Cash, December 31	**651,575.88**	**916,305.93**	**1,567,881.81**	**716,022.61**	**670,875.86**	**1,386,898.47**

Scenario 2: Without Asset Acquisition

	For the Year Ended December 31, 2008			For the Year Ended December 31, 2009		
	UP System	UPSITF	TOTAL	UP System	UPSITF	TOTAL
EXCESS OF REVENUES OVER EXPENSES FOR THE YEAR	**799,792.50**	**1,311,708.65**	**2,111,501.14**	**1,968,954.79**	**1,279,387.30**	**3,248,342.09**
Increase in Cash	799,792.50	1,311,708.65	2,111,501.14	1,968,954.79	1,279,387.30	3,248,342.09
Add: Cash, January 1	1,793,666.10	847,404.55	2,641,070.65	2,593,458.60	2,159,113.20	4,752,571.79
Cash, December 31	**2,593,458.60**	**2,159,113.20**	**4,752,571.79**	**4,562,413.39**	**3,438,500.49**	**8,000,913.88**

	For the Year Ended December 31, 2010			For the Year Ended December 31, 2011		
	UP System	UPSITF	TOTAL	UP System	UPSITF	TOTAL
EXCESS OF REVENUES OVER EXPENSES FOR THE YEAR	**207,662.49**	**882,805.44**	**1,090,467.93**	**190,996.73**	**1,444,569.93**	**1,635,566.66**
Increase in Cash	207,662.49	882,805.44	1,090,467.93	190,996.73	1,444,569.93	1,635,566.66
Add: Cash, January 1	4,562,413.39	3,438,500.49	8,000,913.88	4,770,075.88	4,321,305.93	9,091,381.81
Cash, December 31	**4,770,075.88**	**4,321,305.93**	**9,091,381.81**	**4,961,072.61**	**5,765,875.86**	**10,726,948.47**

IV. Notes to the Projected Financial Statements

1. UP Subsidy

For projection purposes and to ascertain the financial viability of UPITTC, it was assumed that no subsidy will be awarded throughout the covered periods: 2008-2011.

2. Revenues

Revenues for UPITTC for the projected year will be from its one-year course program, other course related fees, donations from scholarship projects, short courses, and the annual Y4IT.

a. One-Year Course

There was an 11% increase in the actual number of enrollees during the 1st quarter of 2007 compared to the enrollees in 2006. The projected number of enrollees in 2008 was projected to increase by about 14% from the 2007 level while the projections for 2009 to 2011 are pegged at 150. The 50% increase of enrollees from 2008 to 2009 is assumed because of the growing reputation and popularity of UPITTC.

Period	Academic Quarter	2005	2006	2007	2008	2009	2010	2011
February to April	4th Quarter		27	58	76	75	113	113
June to August	1st Quarter	37	79	88	100	150	150	150
August to October	2nd Quarter	32	59	79	75	113	113	113
November to January	3rd Quarter	30	58	76	75	113	113	113

It is further assumed that 75 percent of 1st quarter enrollees for the one-year course will continue on for the rest of the program. As such the number of enrollees in any 4th quarter is equal to the number of enrollees of the preceding 3rd quarter.

The quarterly training fees are P21,000.00, P21,000.00, P24,000.00 and P24,000.00 for the academic years 2008-2009, 2009-2010, 2010-2011 and 2011-2012, respectively. However, the quarterly fee for February to April 2008 is P20,000.00.

b. Other Course-related Fees

Other fees collected from the students are:

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Computer Resource Fee	1,000.00	1,000.00	1,500.00	2,000.00
PhilNITS Exam		1,500.00		
PhilNITS Books	1,750.00			
JLPT			600.00	
	2,750.00	2,500.00	2,100.00	2,000.00

PhilNITS is the Philippines National Information Technology Standards and JLPT is the Japanese Language Proficiency Test. The PhilNITS and JLPT collections are use by UPITTC to buy books fro distribution to students and fee for the PhilNITS certification, while miscellaneous fees are remitted to UP Diliman, and as such, not included in computing for the forecasted revenues from other course-related fees.

c. Donations from Sponsors

Year	Donations	% Increase
2005	1,108,692.00	-
2006	1,263,000.00	14%
2007	1,431,400.00	13%

For purposes of projections, collections from sponsors increase 13% each year. This percentage increase is the same as the observed increase in donations from 2005 to 2007.

d. Short Courses

The short courses revenue is projected to increase annually by 10%. Expenses which include training materials, certificates, food, and lecturers' fees equals 40% of the revenue. This is based on the previous year's performance.

e. Y4IT

The 2007 Y4IT generated P6.4M in revenues. Annual revenue for the convention is projected to increase by half a million pesos. Based on the actual expenditures of the past conventions, expenses totals 75% of the gross income.

3. Salaries, Wages, and Fringe Benefits

The yearly full-time employee requirements are:

Position	Employee Requirement 2008	2009	2010	2011	Wages
Program Services					
Training Team					
Training Team Leader	1	1	1	1	27,500.00
Network Systems Training Officer	1	2	3	3	22,000.00
Applications Development Training Officer	2	2	4	4	22,000.00
Embedded Systems Training Officer	2	2	3	3	22,000.00
Japanese Language Training Officer	1	2	3	3	17,600.00
Business Skills Training Officer		1	2	2	17,600.00
Technical Team					
System Administrator, EA, OIC	1	1	1	1	26,400.00
Network Systems Associate	2	2	2	2	12,100.00
Technical Assistant	1	2	4	4	9,900.00
Total	**11**	**15**	**23**	**23**	**177,100.00**
General Administration					
Marketing and Management Team					
Industry Collaboration Officer	1	1	1	1	16,500.00
Information Officer	1	1	1	1	17,600.00
Events and Marketing Officer	1	1	1	1	14,300.00
Administrative Assistant	1	1	2	2	9,900.00
Marketing Assistant	1	1	2	2	9,900.00
UPSITF					
Training and Administrative Officer	1	1	1	1	17,600.00
Academe Project Coordinator	1	1	1	1	14,300.00
Messenger	1	1	1	1	7,700.00
Utility	1	1	2	2	7,150.00
Total	**9**	**9**	**12**	**12**	**114,950.00**

The wages presented above is for each employee, each month. Basic wage rates are projected to increase at an annual rate of 10 percent every two years.

The only fringe benefits, aside from the 13th month pay which will be given at the end of each year to full-time employees, which are considered in the projections are SSS, EC, PhilHealth, and Pag-Ibig. The table below presents the summary of UPITTC's salaries and employee benefits.

	2008	2009	2010	2011
Salaries	3,966,600.00	4,771,800.00	7,492,320.00	7,492,320.00
13th Month Pay	292,050.00	292,050.00	321,255.00	321,255.00
SSS	223,449.60	270,090.00	398,132.40	398,132.40
EC	5,040.00	6,240.00	9,000.00	9,000.00
Philhealth	29,925.00	29,925.00	29,925.00	29,925.00
Pagibig	24,000.00	24,000.00	24,000.00	24,000.00
Total	**4,541,064.60**	**5,394,105.00**	**8,274,632.40**	**8,274,632.40**

4. Lecturers' Honoraria

It is projected that UPITTC will have the following number of classes each year:

	Classes			
	2007	2008	2009	2010
February-April	3	3	4	6
June-August	3	4	6	6
September-November	3	4	6	6
November-January	3	4	6	6
Total	12	15	22	24

It is further assumed that each class will have total class hours of 400, and that one-third of the total number of class-hours will be assigned to lecturers. It is also projected that lecturers are paid P1000 an hour with a 10 percent increase each year.

5. Curriculum Advisors

The existing curriculum would still be used, as such no projections for curriculum advisors' fees were done.

6. Employee Training and Development

UPITTC projected for the continuing training and development of its staff. The table below shows the total training and development expenses.

	2008	2009	2010	2011
Trainings and Certification	324,500.00	498,500.00	427,800.00	480,800.00
Graduate Studies	75,000.00	100,000.00	125,000.00	150,000.00
Total	**399,500.00**	**598,500.00**	**552,800.00**	**630,800.00**

For the breakdown of these expenses, please refer to the table below. Certifications which require US dollar payments are translated into pesos at an exchange rate of P40 to a dollar. The graduate studies related training and development expenses are divided equally between the program and administrative services.

	Dollars	Pesos	2008	2009	2010	2011
Certifications						
PhilNITS FE		1,500	6	1	4	
PHilNITS SW		3,000		6	1	4
Japanese Language Proficiency Test Level 4		500	3	3	3	3
Japanese Language Proficiency Test Level 3		500		3	3	3
Japanese Language Proficiency Test Level 2		600.			3	3
CCNA Cisco Certified Network Associate [1]	125	5,000	2	2	2	2
CCNP Cisco Certified Networking Professional [3]	375	15,000	2	2	2	2
MCAD Microsoft Certified Application Developer [3]	375	15,000	2	2	2	2
MCSD .Net Microsoft Certified Solution Developer [5]	625	25,000	2	2	2	2
SCJP Sun Certified Programmer for the Java 2 Platform [1]	150	6,000	2	2	2	2
SCJD Sun Certified Developer for the Java 2 Platform [2]	400	16,000	2	2	2	2
Trainings						
Manager's Course		20,000		2		
Productivity Through Effective Supervision		6,000		2		
Strategic Marketing Course		8,000		3		
Creative Selling Techniques		7,000		3		
Effective Business Communication		5,000		3		
Graduate Studies		25,000	6	8	10	12

7. Training materials and other expenses

These are the expenditures for books and handouts for the students. These are projected to be equal to the collections for PhilNITS and JLPT books.

8. Certification and licenses

Expenses for the PhilNits Certification. It is equal to the collections from students.

9. Rent

Rent expenses include rent for venues for the Center's programs and activities, and the rent for the Center's main office and classroom. The total rent expense for 2007

is P123,627.24, hence, for purposes of projections, the rent expense for 2008 is P130,000 and for the succeeding years, an increase of 10% annually.

10. Advertising

The table below presents the projected advertising plan and the related expenses for 2008. For the rest of the projections, a increase of 5% annually is projected.

Items		Specifications	Frequency	Cost per Item	2008
Newspaper Advertisement	Manila Bulletin	4 col. X 15 Classified Ads Section	4	15,000	60,000.00
	Philippine Daily Inquirer	4 col. X 15 Premium/Non-Premium	4	15,000	60,000.00
	Philippine Star	4 col. X 15 Premium/Non-Premium	4	15,000	60,000.00
Special Events		Sponsorship/Booth Expenses/Marketing	2	25,000	50,000.00
Direct Marketing	Snail Mail		5000	5	25,000.00
Promotional Materials	Brochures	3-Folds Full-colored	30,000	1.50	45,000.00
	Flyers	Half-page of 8.5 x 11 paper (black)	30,000	0.50	15,000.00
	Posters		1,000	25	25,000.00
	Tarpauline w/ stands		10	1,200	12,000.00
	Streamers		10	1,800	18,000.00
	Stickers		5,000	10	50,000.00
				Total	**420,000.00**

11. Supplies

Supplies, as directly related to the amount of work to be done by the Center, is pegged at 2% of total revenues.

12. Printing and Reproduction

Like supplies, printing and reproduction expenses are directly related to the amount of work to be done which is also directly related to the number of enrollees for UPITTC's programs which is indicated by total revenue.

13. Telephone and Communication

In projecting for this expense from 2008 to 2011, the average telephone and communication expenditure for the last three years (2005 to 2007) was computed. This amount was, then, adjusted for a 15% increase each year. The relatively high percentage increase is anticipated because of the Center's need to have a higher

number of enrollees, as such communication within the organization and with other organizations will increase.

	Actual
2005	58,597.50
2006	90,210.93
2007	265,275.54
Total	**414,083.97**
Average	82,816.79

This expense includes expenditures for PABX, mobile phones, call cards, courier charges.

14. Transportation, Accommodation, Repairs and Maintenance, and Miscellaneous Expenses

In projecting for these expenses from 2008 to 2011, their averages for the last three years (2005 to 2007) was computed. This amount was, then, adjusted for a 10% increase each year.

	Transportation	Accommodation	Repairs & Maintenance	Miscellaneous Expense
2005	77,385.25	1,300.00	40,357.75	500.00
2006	140,349.05	29,080.00	128,372.55	49,793.25
2007	349,033.26	3,000.00	340,179.10	84,010.23
Total	**566,767.56**	**33,380.00**	**508,909.40**	**134,303.48**
Average	113,353.51	6,676.00	101,781.88	26,860.70

15. Electric Consumption

For projection purposes, the electric power consumptions of the major electric equipments of UPITTC were estimated. A 10 percent increase in consumption was projected for years 2008 and 2011. The increase in 2009 is due to the additional equipments acquired by the Center.

The table below presents the breakdown of the Center's electric power consumption.

	2008	2009	2010	2011
Applications Development Lab 1	204,873.27	225,360.59	495,793.31	545,372.64
Applications Development Lab 2	266,725.75	293,398.33	645,476.32	710,023.96
Network Systems Lab	291,235.62	320,359.18	352,395.10	387,634.61
Embedded Systems Lab	218,937.87	240,831.65	264,914.82	291,406.30
Server Room	269,789.94	296,768.93	326,445.83	359,090.41
Subtotal (Program Services)	**1,251,562.45**	**1,376,718.69**	**2,085,025.37**	**2,293,527.91**
Director's Office	51,866.21	57,052.83	62,758.12	69,033.93
JICA Office	31,742.36	34,916.60	38,408.26	42,249.08
Trainers Room	41,951.96	46,147.16	50,761.88	55,838.06
Admin Office	61,511.05	67,662.16	74,428.38	81,871.21
Foundation Office	55,488.27	61,037.09	67,140.80	73,854.88
Meeting Room	42,895.89	47,185.48	51,904.03	57,094.43
Subtotal (General Administration)	**285,455.75**	**314,001.33**	**345,401.46**	**379,941.61**
Total	**1,537,018.20**	**1,690,720.02**	**2,430,426.84**	**2,673,469.52**

16. Purchases of Fixed Assets

	2008	2009	2010	2011
Office Equipment				
Tables and Chairs		240,000.00		
Office Equipment	329,000.00	60,000.00	60,000.00	60,000.00
Subtotal	329,000.00	300,000.00	60,000.00	60,000.00
Furniture and Fixtures				
Library Books	50,000.00	55,000.00	60,500.00	66,550.00
Aircon		200,000.00		
Subtotal	50,000.00	255,000.00	60,500.00	66,550.00
IT Equipmemt and Software				
Equipment	329,000.00	2,750,000.00	700,000.00	875,000.00
AppDev1		40,000.00	80,000.00	40,000.00
AppDev2			40,000.00	
NetSys		40,000.00	480,000.00	240,000.00
EmbedSys		40,000.00	40,000.00	455,000.00
AppDev3		965,000.00		40,000.00
AppDev4		965,000.00		40,000.00
Subtotal	329,000.00	4,800,000.00	1,340,000.00	1,690,000.00
Total	**708,000.00**	**5,355,000.00**	**1,460,500.00**	**1,816,550.00**

The above acquisitions of assets are to be financed by the Center's own funds, rather than to be acquired through the donation of partner organizations.

List of Donation of IT companies

AY2007-2008

15companies (30 scholars)

1. Accel Co., Ltd.
2. Astra Philippines Inc.
3. Fujitsu Philippines
4. Futaba Coorporation of the Philippines
5. J-SYS Philippines, Inc.
6. Morson Japan Co., Ltd.
7. Fujitsu Ten Solutions Phils, inc.
8. System Renovation, Inc.
9. Pixelstream Corporation
10. Advanced World Systems, Inc.
11. Tsukiden Software Phil. Inc.
12. Human Resocia Co., Ltd.
13. NEC Telecom Software Philippines, Inc
14. Trinity Software Philippines, Inc.
15. Sen. Francis Kiko Pangilinan

AY2006-2007

19 companies (34 scholars)

1. Accel Co., Ltd.
2. Astra Philippines, Inc.
3. Epson Precision Philippines, Inc.
4. Fujitsu Philippines, Inc
5. Fujitsu Ten Solutions Philippines, Inc.
6. Futaba corp. of the Philippines
7. I-Merge Online, Inc.
8. J-SYS Philippines, Inc.
9. Morson Japan Co., Ltd.
10. NEC Telecom Software Philippines, Inc.
11. Platon corp.
12. Roa Systems Co., Ltd.
13. Sofcon
14. TechFactors, Inc.
15. Trinity Software Philippines
16. Tsukiden Software Philippines, Inc.
17. Ubiquitous Technologies Philippines, Inc.
18. Yoshi Software Solution Philippines, corp.
19. Sen. Francis Kiko Pangilinan
20. Canon Information Technologies Philippines, Inc

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REPUBLIC OF THE PHILIPPINES

FINAL REPORT

IT Human Resource Needs Survey

February, 2008

SPICEWORX CONSULTANCY